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M Profix \$30.00

[] Nonprofix \$20.00

AUG 1 6 2002

Application for Authority & Contains for a Foreign Corporation

	Sal	ers Capigna				
			Exact Corp	erate Nespe		
ı.	A carecration of the state of TORA	<u> </u>	incorporated 21	day of December	2001 (ye	m')
2.	The corporations period of duration	is Permette		(wouldly perpotest)		•
3.	The address of the corporation's pri					
	16800 Imperial Valley Drive, S	d to 380		iomson and a	Teres	77060
	Street Address		Any		3um	Zφ
4.	The Registered Agent in Unit in:	T Corporat	on System			
	The prest address of the registered	office in Utah				
	50 West Brondway			In City	Unit: 84101	Zie
	L. C.T. Corporation System		In order to the party	and agent for the above-ore	ulong from and	<u>jon</u>
	Signature of Ringistered Agunt (Ro	(mired) By:	muse	<i></i>	KAROMENT BOOK	
	54 . L	A /- 0 B- N	Ail to see contact		Vasteraur each.	
5.	The hustress purposes to be pursue	I In Utal) are:	THE CONTRACTOR	mon and Landardsoon		
6.	The perponence commenced or inter-	da lo commu	ce business in Pitale	on: Azeust 15, 2002		
7.	The morner and addresses of the co				~~~~ · · · · · · · · · · · · · · · · ·	
′•	Name	(i juri di parametro (colt) Addice		oc. City	State .	Z
Presi	ident John R. Stanley, Sr.	4 Sh	relate Drive	Kingwood	Texas	77339
	President Lyan Faust	2302	Willow Pane	Kingwood	Term	17339
Lore	Lyna Fager	2302	Willow Pass	Kingwood	Texas	77339
-	Lyon Paust		Willow Pass	Kingwood	Texas	77339
	er Eileen Stantey		relake Drive	Kingwood	Тели	77339
Dige						
Diese	te.					
8.	A certification of Good Standing/E	Listenen from t	he Since of Income	ration dated no earlier than	ainet/(00) days prior	n Clina
••	with this office is stanfed to this a				، بعديم مارڪ ان جا ان مصطب	· —,
9.			shall use			
	(Plane refer to (U.C.A. 16 18a-15)					
						_
	for penalties of perjury, I declare that		to Catificate of a	Authority has been examina	is phillie my principe,	pere of MA
MAD	wicelye and build, true, comment and co					
BY:	~ tau		TITLE	Vice President	ľ)A¹	TE: 8/15/02
	Corporate C					
	5- 20 C) PAGE 1 40	and Army of	AL ALCO 2007 19 90	om this document and of	her Luibernacher.	
	Mail In:	SM Dec 14	4706			
	A 16		v. UT 84114-6705			
	Welk In: Corporat Tall Prop Fax: (901) Web Sites		South, Main Floor			
	Corporad		Hop Conter: (\$01)			
	Toli Free		7) 526-1994 (Umi)	Residenty)		
	Fee: (PO)) Web Site:					
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UTTO	j - Bjetrejn C T Sprans Online					

980:60 SO 62 3uA

Comparations Section P.O.Box 13697 Austin, Toxas 78711-3697



GWyn Shea Searcesy of State

Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does heraby certify that the document, Articles of Incorporation for Solaris Exploration Corp. (filing number: 800038962), a. Dorneytic Business Corporation, was filed in this office on December 21, 2001.

It is further certified that the entity states in Tecas is active.

In testimony whereof, I have hereumo signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on August 16, 2002.



Yuyu Shea Guya Shea

Secretary of State

PHONE(5)2) 463-5555 Propose by: 503-WEB Come visit us on the internet at http://www.sos.sust.tor.us/ FAX(\$12) 463-5709

TTY7-1-7

TOTAL P.03

DEPARYMENT OF COMMERCE REGISTRATION

SOLARIS EXPLORATION CORP.

EFFECTIVE 08/16/2002

EXPERATION NAMES OF STREET OF THE PARTY OF Beer and the second of the sec EPERENCE NUMBER(S), CLASSIFICATION(S) & DETAILS

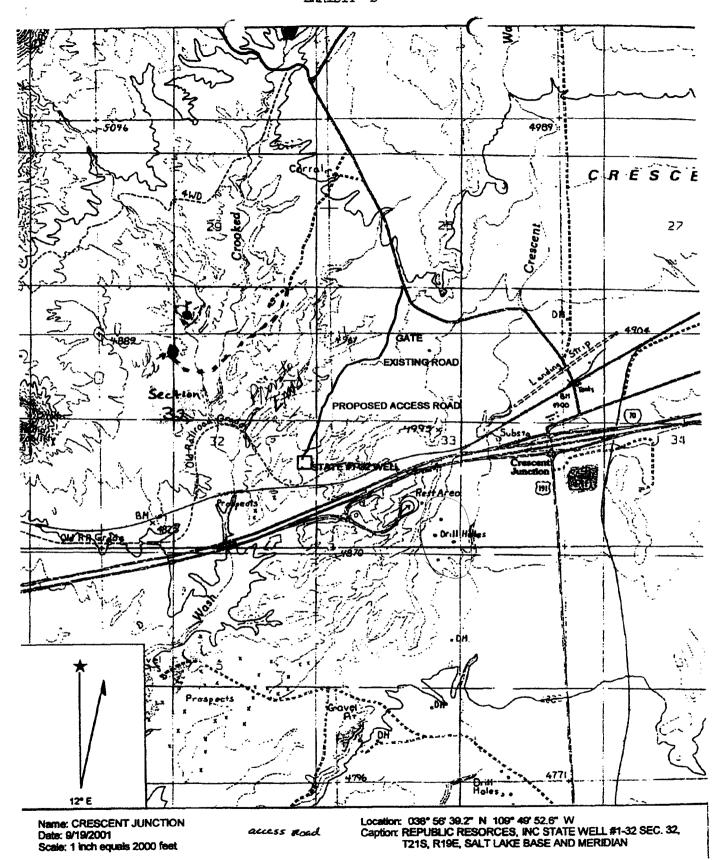
TELEMENTAL MANAGEMENT OF THE STATE OF THE ST

Corporation - Foreign - Profit 5176200-0143

CT CORPORATION SYSTEM SOLARIS EXPLORATION CORP. 50 W BROADWAY 8TH FLOOR SALT LAKE CITY UT 84101-2006

STATE OF UTAH DEPARTMENT OF COMMERCE DIVISION OF CORPORATIONS & COMMERCIAL CODE REGISTRATION EFFECTIVE DATE: 08/16/2002 EXPIRATION DATE: *RENEWAL ISSUED TO: SOLARIS EXPLORATION CORP. REFERENCE NUMBER(S), CLASSIFICATION(S) & DETAIL(S). 5176/200 0143 *Corporation - Foreign - Profit *RENEWAL You will need to renew your registration each anniversary date of the effective date. Exceptions: DBAs and Business Trusts renew every three (3) years from the effective date. STATE OF UTAH DEPARTMENT OF COMMERCE DIVISION OF CORPORATIONS & COMMERCIAL CODE REGISTRATION EFFECTIVE DATE: 08/16/2002 EXPURATION DATE: *RENEWAL ISSUED TO: SOLARIS EXPLORATION CORP. REFERENCE NUMBER(S), CLASSIFICATION(S) & DETAIL(S) S176200 0143 Corporation - Foreign - Profit *RENEWAL You will need to renew your registration each anniversary date of the effective date. Exceptions: DBAs and Business Trusts renew every three (3) years from the effective date.



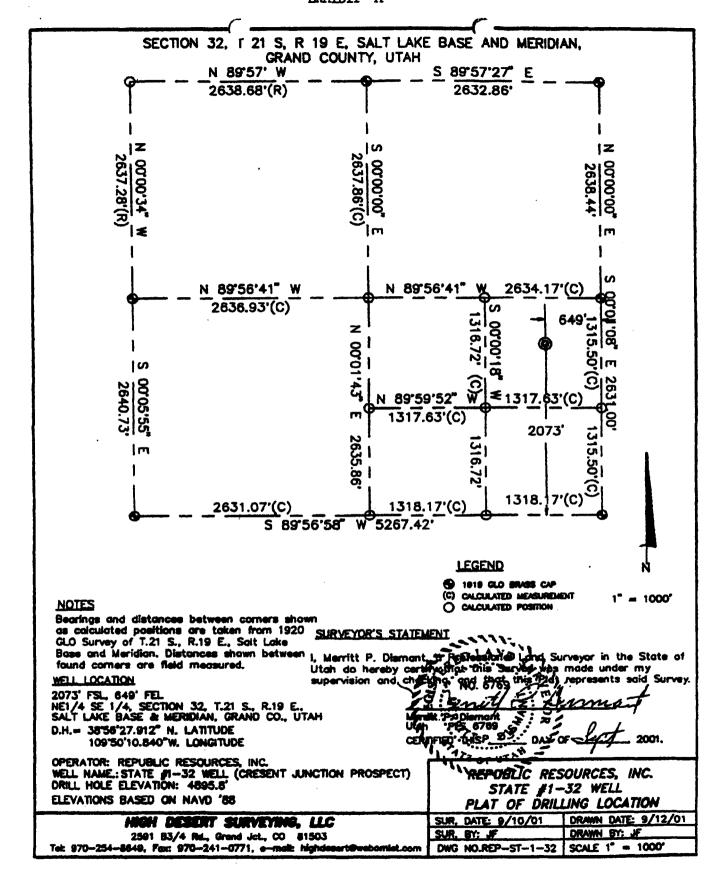


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

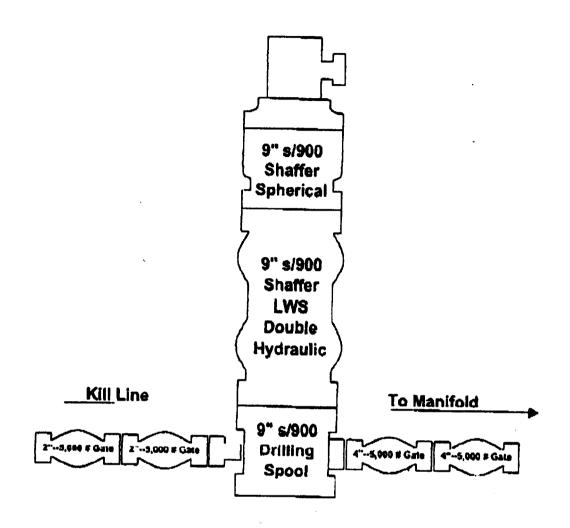
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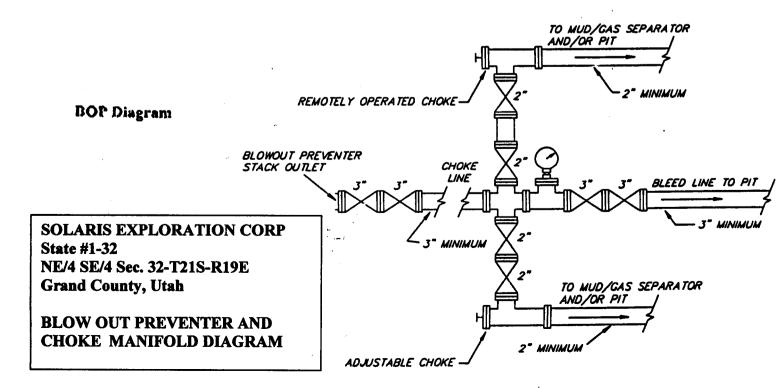
AMENDED REPORT	
(highlight changes)	

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								ML 47441 7. IF INDIAN, ALLOTTEE OR	Fee
1A TYPE OF WORK DRILL A REENTER DEEPEN					EN 🔲			N/A	TRIDE NAME:
B. TYPE OF WE	GAS 🔲	OTHER	NE 🔯 MULTIPLE ZO	NE 🗀	8. UNIT OF CA AGREEMENT	NAME:			
2. NAME OF OPE						NE MAZ MOETH EE Z		N/A	
Coloria	. Evmlowsk	ion C						9. WELL NAME and NUMBER State #1-32	R:
3. ADDRESS OF	Explorat	<u> </u>	orp			PHONE NUMBER:		10. FIELD AND POOL, OR W	/ILDCAT:
16800 1	mperiai v	CITY	Dr.,Ste.3	TATE ZIP	n, TX	281-931-89	33	Wildcat	
4. 20041101101	WELE (1 00170ES)	,	431	0676 Y	38 94	na		11. QTR/QTR, SECTION, TO MERIDIAN:	WNSHIP, RANGE,
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is sistrate.	649'	MI ON LEA	SE LINE (FEET)	IO. NOMBE	480	N LEASE:	17.1	NUMBER OF ACRES ASSIGNED	TO THIS WELL:
18 DISTANCE TO		DON LING CO	MADI ETEO OD	40 50050				40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 19. PROPOSED D								ond description: arety bond app.	lied for
					4800 '		lir	ndividual leas	<u> </u>
					WORK WILL START:	23. E	STIMATED DURATION:		
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7 7/8"	5 1/2"	J55	15.5#	4800'±	ceme	nt to 400' w/	875±s	x 50/50 Poz, o	class G 1254
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		3 CD 111 ACC	CADAVCE WITH THE	O IAN OIL AND GA	S CONSERVA	ION GENERAL RULES:			
WELL PL	AT OR MAP PREPAR	ED BY LICEN	ISED SURVEYOR OR	ENGINEER	123	COMPLETE DRILLING PLA	N	,	
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Sauer Drilling Company





DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

OPERATOR:	Republic Resources Inc.
WELL NAME & NUMBER:	State 1-32
API NUMBER:	43-019-31389
LOCATION: 1/4,1/4 NESE	Sec: 32 TWP: 21S RNG: 19E 2073' FSL 649 FEL

Geology/Ground Water:

The location is on a bluff formed on the Blue Gate Member of the Mancos Shale, which is capped by Quaternary Pediment Mantle. There are no nearby springs. A water right was filed by SITLA(formerly SL&F) on a water well, within a mile to the east southeast, near Crescent Junction, Utah, in adjoining Section 33. The water right cites the source as a 16" casing with a productive depth of 1,500' to 2,500.' Research in the files of the Division of Water Rights indicates that it is likely that no water well was ever drilled at this location. When the water right was filed, the federal government challenged it based on the needs of the Central Utah Project and those of the downstream users of the Colorado River. The challenge was subsequently withdrawn. During my research, I examined sample logs from other wells in this township - range as well as the one to the south. The subsurface geology changes very rapidly along the trend of the evaporite-cored Salt Valley Anticline. Water Rights' driller's logs record poor quality water (salty) and petroleum shows in sandstones (and even some shales) surprisingly close to the surface, in some instances, and well within the 1,500' to 2,500' specified in the water right filing. No well completion records exist for any well at the location of the water right. Both the water well filing location and the subject oil and gas location fall reasonably on the plunging anticlinal trend. It is improbabable that significant amounts of good quality water will be found in the shallow strata at the subject location. It is unlikely that the Ferron Sandstone Member of the Mancos Shale has enough development to provide a significant aquifer this far to the east. Absent the influences of salt flow tectonics, possible aquifers, which might be encountered uphole, would include the Dakota Sandstone, the Buckhorn Conglomerate Member of the Cedar Mountain Formation and the Salt Wash Member of the Morrison Formation. These are also productive zones in the Greater Cisco Field. In the Thompson, Utah, area, the Dakota Sandstone was drilled at a depth between 1,700' and 1,800' in the midst of more uniform stratigraphy. Because the depth at which aquifer grade sandstones are encountered is unpredictable, protecting the aquifer will require either extending the surface casing considerably from its current proposed setting depth (400') or that high density cement be pumped above a quality water aquifer after production casing is run.

Reviewer:	Christopher J. Kierst	Date:_	10/25/01
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Surface:

Precipitation will be diverted around the pad with berms and culverts where necessary. There are no nearby culinary or irrigation supply wells. The site was photographed and characterized on 9/11 /2001. The surface owner and SITLA were invited but chose not to attend. Rehabilitation of the site, litter and waste control, preservation and drainage patterns, groundwater and other resources was discussed and agreed on. The location will not fit as it was staked due to topography, therefore the location will be adjusted in on all sides to fit topography. Any well utilities and gathering systems will follow the roadways.

Reviewer:	Mark L. Jones	Date:_	October 25, 2001	
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Conditions of Approval/Application for Permit to Drill:

- 1. The location and pit shall be bermed.
- 2. Site shall be amended as discussed at the onsite review.
- 3. A synthetic liner with a minimum thickness of 12 mils shall be properly maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION Division of Oil, Gas and Mining

OPERATOR: Republic Resources Inc.

WELL NAME & NUMBER: State 1-32

ADT NUMBER: 43-019-31399

API NUMBER: 43-019-31389
LEASE: State FIELD/UNIT:

LOCATION: 1/4,1/4 NESE Sec: 32 TWP: 21S RNG: 19E 2073' FSL 649' FEL LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4,1/4 LINE; 920 F ANOTHER WELL. GPS COORD (UTM): X =600922 E; Y =4310667 N SURFACE OWNER: Irvin M. Shlenker Estate (25%) and F.W. Bert Wheeler Trust (75%).

PARTICIPANTS

M. Jones (DOGM), Ron Turrell (Republic), SITLA and Grand County was invited but chose not to attend. Susan Treece (Republic) invited the surface owners who chose not to attend.

REGIONAL/LOCAL SETTING & TOPOGRAPHY

This location is located ~1 mile West of Crescent Jct, Utah. A rest area off of I-70 is located ~.5 miles SE. Railroad tracks running in an East to West direction ~200 yards South of proposal and I-70 runs in an East to West direction ~.25 miles South of proposal. Rolling hill topography in the direct vicinity of the location with dry washes cutting throughout. The access road terrain is relatively flat and crosses virtually no drainages.

SURFACE USE PLAN

CURRENT SURFACE USE: Wildlife habitat and recreation.

PROPOSED SURFACE DISTURBANCE: <u>Proposed surface disturbance will include a 150' X 200' pad</u>. Included within the proposed pad will be a 80' x 60' x 8' reserve pit. Access will consist of ~1 mile of existing bladed road on BLM surface, ~.7 miles of access along an existing two-track across BLM and private surface, and ~.2 mile of new access on private surface. All of the roads will be upgrades to allow for drilling operations, if the well is a producer further upgrades will be made.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: 6 PA wells are located within a 1 mile radius of the above proposed well.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: Production facilities and pipelines will be located on-site if the well is a producer.

SOURCE OF CONSTRUCTION MATERIAL: Obtained locally from a private source and hauled to location using existing roads.

ANCILLARY FACILITIES: None anticipated.

WASTE MANAGEMENT PLAN:

Portable chemical toilets, which will be emptied into the municipal waste treatment system; garbage cans on location will be emptied into centralized dumpsters which will eventually be emptied into an approved landfill. Drilling fluid, completion / frac fluid and cuttings will be buried in the pit after evaporation and slashing of the pit liner. Used oil from drilling operations and support will be hauled away to a used

oil recycling tank or facility.

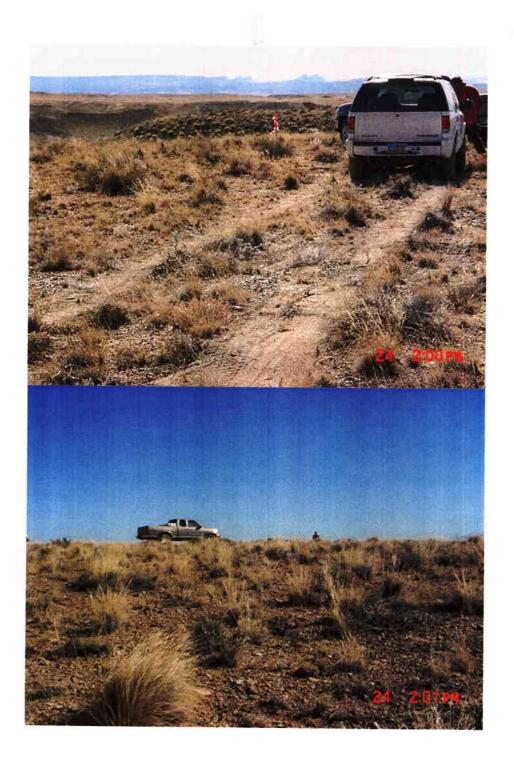
ENVIRONMENTAL	PARAMETERS
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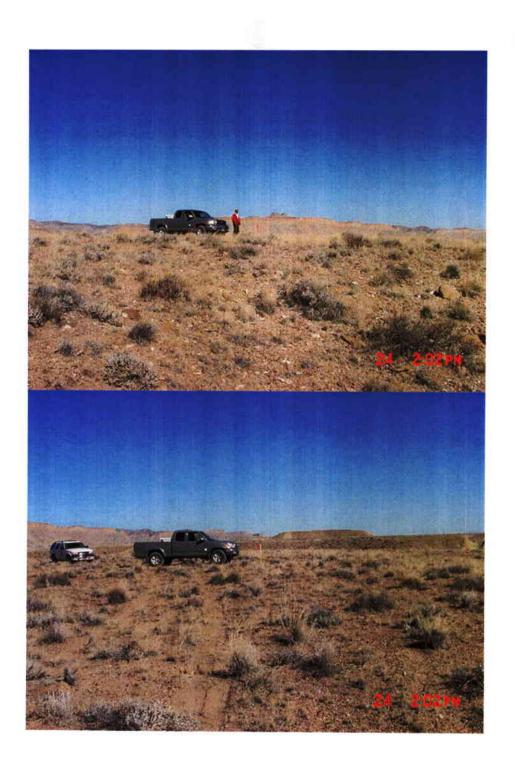
AFFECTED FLOODPLAINS AND/OR WETLANDS: None.
FLORA/FAUNA: <u>Sagebrush, native grasses, cheat grass, rodents, various small game animals and birds.</u>
SOIL TYPE AND CHARACTERISTICS: sandy gravel.
SURFACE FORMATION & CHARACTERISTICS: Mancos Shale
EROSION/SEDIMENTATION/STABILITY: <u>Moderately stable</u> .
PALEONTOLOGICAL POTENTIAL: <u>None observed.</u> RESERVE PIT
CHARACTERISTICS: Dugout earthen pit.
LINER REQUIREMENTS (Site Ranking Form attached): Synthetic liner.
SURFACE RESTORATION/RECLAMATION PLAN
As per requests of landowner in landowners surface agreement.
SURFACE AGREEMENT: Yes.
CULTURAL RESOURCES/ARCHAEOLOGY: N/A
OTHER OBSERVATIONS/COMMENTS
Location was not staked and marked very well! Comment was made to the operator of the expectations for staking a well site. The pit was not staked at all. The UTM coordinates and my Magellan GPS were off 10 meters in both directions, (600912 E, 4310677 N - on Magellan GPS). The location will not fit were it was staked due to topography, therefore the location will be adjusted in on all sides to fit topography.
ATTACHMENTS
Photos of this location were taken and placed on file.
Mark L. Jones 10/24/2001 / 1:45 pm DOGM REPRESENTATIVE DATE/TIME

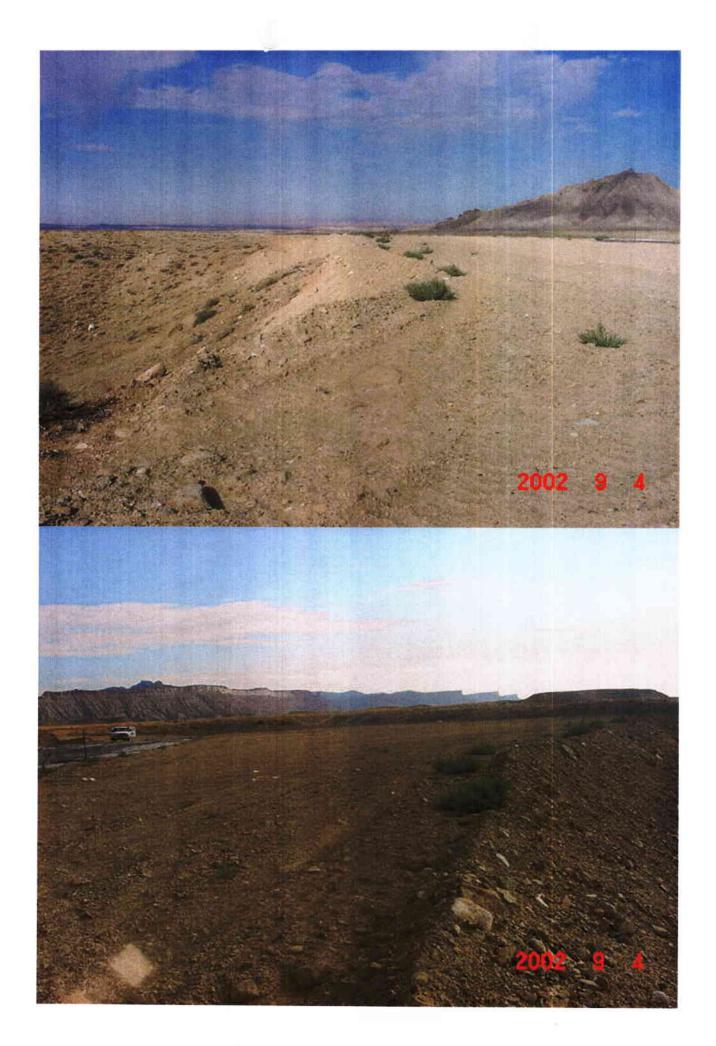
Evaluation Ranking Criteria and Ranking Score For Reserve and Onsite Pit Liner Requirements

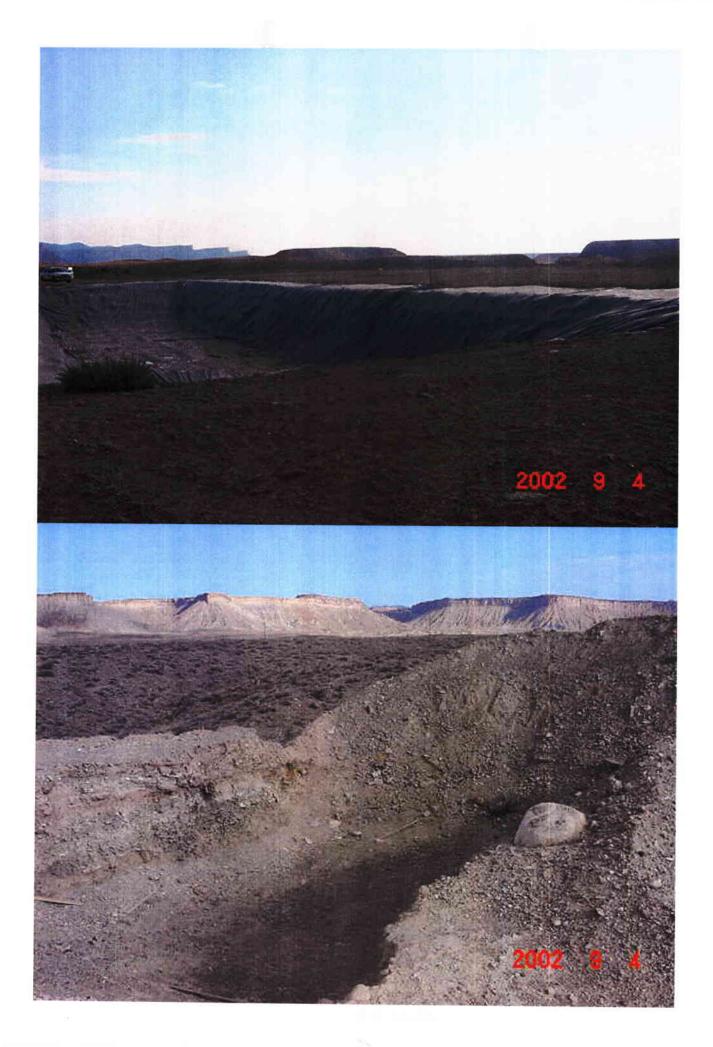
Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet)		
>200	0	
100 to 200 75 to 100	5 10	
25 to 75	15	
<25 or recharge area	20	0
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300 100 to 200	10 15	
< 100	20	0
Distance to Nearest Municipal Well (feet)		
>5280 1320 to 5280	0	
500 to 1320	5 10	
<500	20	0
Distance to Other Wells (feet)		
>1320 300 to 1320	0 10	
<300	20	0
Native Soil Type		
Low permeability Mod. permeability	0 10	
High permeability	20	20
Fluid Type		
Air/mist Fresh Water	0 5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of		
hazardous constituents	20	5
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	0
Annual Precipitation (inches) <10	0	
10 to 20	0 5	
>20	10	0
Affected Populations		
<10 10 to 30	0	
30 to 50	6 8	
>50	10	0
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	0
Final Score 25	(Level	I Sensitivity)

Sensitivity Level II = 20 or more; total containment is required.
Sensitivity Level II = 15-19; lining is discretionary.
Sensitivity Level III = below 15; no specific lining is required.





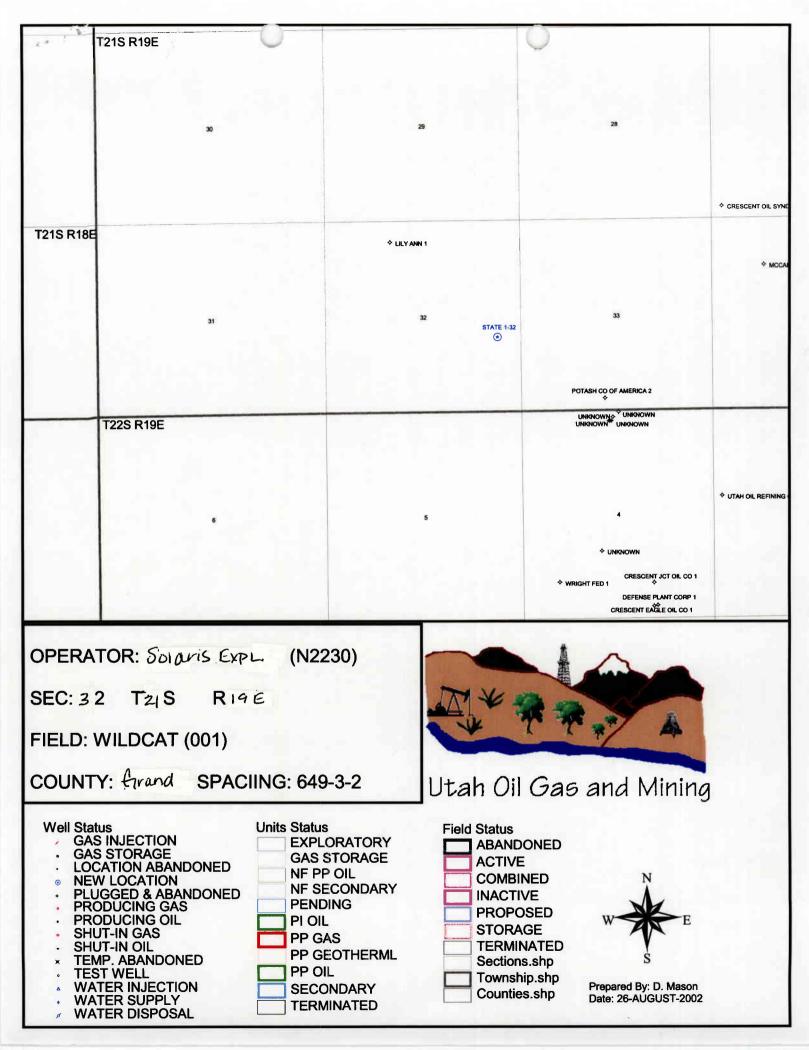






WORKSHEET APPLICATION FOR PERMIT TO DRILL

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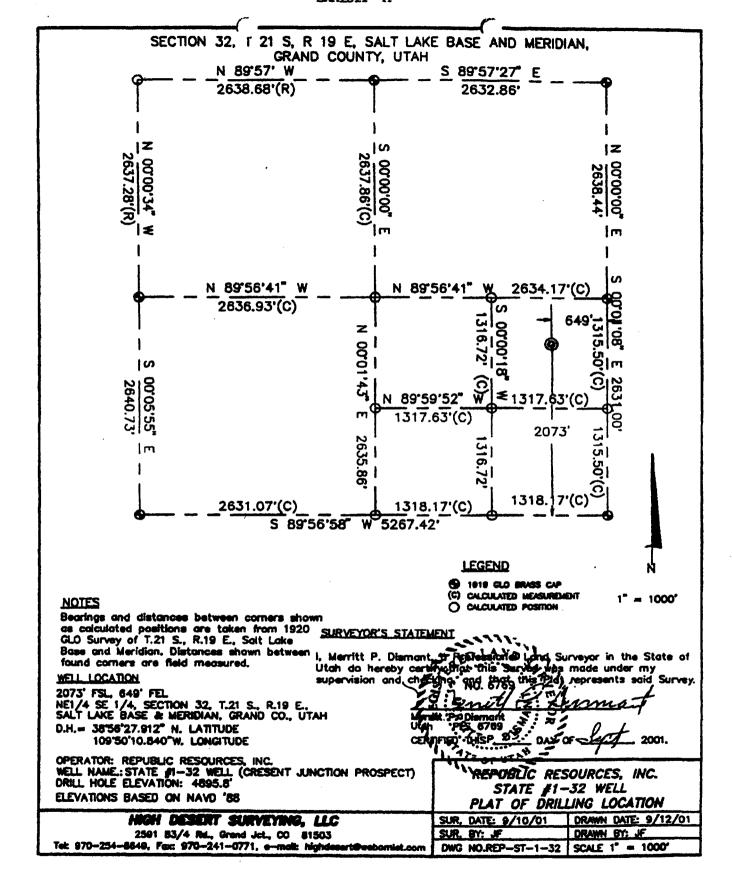


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					♦ MCCA
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				POTASH CO OF AMERICA 2	
	T22S R19E			UNKNOWN UNKNOWN	
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			5	4 ♦ UNIGNOWN	
				CRESCENT JCT OIL CO 1 TO DEFENSE PLANT CORP 1 CRESCENT EAGLE OIL CO 1	
OPERA	TOR: SOLARIS EXPL (N2	230)			
SEC: 3	2 T21S R19E		M*		
FIELD:	WILDCAT (001)				
COUNT	Y: GRAND SPACIING: 64	9-3-2	Utah Oil	Gas and Mining	3
GA LOO NET PLU PRI PRI SHI X TEI WA	S INJECTION S STORAGE CATION ABANDONED W LOCATION JGGED & ABANDONED DDUCING GAS ODUCING OIL UT-IN GAS UT-IN OIL MP. ABANDONED ST WELL TER INJECTION SCOROLOGIC STORAGE GAS GAS PEN GAS UP 10 PP 0 STORAGE GAS GAS PP 0 PP 0 STORAGE GAS GAS PP 0 PP 0 STORAGE GAS GAS GAS PP 0 STORAGE GAS GAS GAS FEN GAS	LORATORY STORAGE PP OIL SECONDARY DING IL SAS GEOTHERML	Field Status ABANDO ACTIVE COMBIN INACTIV PROPOS STORAG TERMIN Sections Township Counties	SED SE ATED .shp p.shp	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

AMENDED REPORT	П
(highlight changes)	

APPLICATION FOR PERMIT TO DRILL					5. MINERAL LEASE NO: ML 47441	6. SURFACE: Fee
1A TYPE OF WORK: DRILL REENTER DEEPEN					7. IF INDIAN, ALLOTTEE OF	TRIBE NAME:
				IGLE ZONE [☑] MULTIPLE ZON	N/A 8. UNIT or CA AGREEMENT	NAME:
B. TYPE OF WE		OTHER	SIN	IGLE ZONE KA MOLTIPLE ZON	N/A 9. WELL NAME and NUMBE	
2. NAME OF OPERATOR: Solaris Exploration Corp					State #1-32	ν.
3,400RESS OF (OPERATOR: IMPERIOR Valley	Dr. Ste.38	0.Houston	PHONE NUMBER:	10. FIELD AND POOL, OR V	/ILDCAT:
4. LOCATION OF	WELL (FOOTAGES)	STA	ATE ZIP 7	7060 281-931-8933	Wildcat. 11. QTR/QTR, SECTION, TO	WNSHIP RANGE
		4310	1676Y 3	8. 94109	MERIDIAN:	
	2073 FSL - 649 PRODUCING ZONE: Same	FEL <i>600€</i> €	137 × -1	109.83540	NE% SE% Sec. SLB&M	32-T21S-R19
14. DISTANCE IN	MILES AND DIRECTION FROM N	NEAREST TOWN OR PO	OST OFFICE:		12. COUNTY:	13. STATE:
	es West of Cres				Grand	UTAH
15. DISTANCE TO	NEAREST PROPERTY OR LEAS	SE LINE (FEET)	16. NUMBER C	OF ACRES IN LEASE:	17. NUMBER OF ACRES ASSIGNE	O TO THIS WELL:
	649'		48	80	40	
18. DISTANCE TO APPLIED FOR	NEAREST WELL (DRILLING, CO R) ON THIS LEASE (FEET)	MPLETED, OR	19. PROPOSEI	D DEPTH:	20. BOND DESCRIPTION: Surety bond applied for	
				800'	individual lease	
21. ELEVATIONS	(SHOW WHETHER DF, RT, GR,	ETC.):	1	NATE DATE WORK WILL START:	23. ESTIMATED DURATION:	
	4896 GL		Augus	st 30, 2002	30 days	
24.		PROPOS	SED CASING A	ND CEMENTING PROGRAM		
SIZE OF HOLE	CASING SIZE, GRADE, AND V	VEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUA	NTITY, YIELD, AND SLURRY WEIGH	τ
12 1/4"	8 5/8" J55	34#	450 ' ±	cement to surface	w/140± sx 50/50	Poz, Cl. G
7 7/8"	5 1/2" J55	15.5#	4800 ' ±	cement to 400' w/87	5±sx 50/50 Poz,	class G
		1				
			· · · · · · · · · · · · · · · · · · ·			<u>.</u>
25.				CHMENTS		
<i>,</i>	LOWING ARE ATTACHED IN ACC	CORDANCE WITH THE		CHMENTS CONSERVATION GENERAL RULES:		· · · · · · · · · · · · · · · · · · ·
VERIFY THE FOL	LOWING ARE ATTACHED IN ACC		UTAH OIL AND GAS (
VERIFY THE FOL		NSED SURVEYOR OR E	UTAH OIL AND GAS C	CONSERVATION GENERAL RULES:	RSON OR COMPANY OTHER THAN T	THE LEASE OWNER
VERIFY THE FOL	AT OR MAP PREPARED BY LICE	NSED SURVEYOR OR E	UTAH OIL AND GAS C	CONSERVATION GENERAL RULES:	RSON OR COMPANY OTHER THAN T	THE LEASE OWNER
VERIFY THE FOL	AT OR MAP PREPARED BY LICE E OF DIVISION OF WATER RIGH	NSED SURVEYOR OR I	UTAH OIL AND GAS C	CONSERVATION GENERAL RULES: COMPLETE DRILLING PLAN FORM 5, IF OPERATOR IS PE	RSON OR COMPANY OTHER THAN T	THE LEASE OWNER
VERIFY THE FOL	AT OR MAP PREPARED BY LICE E OF DIVISION OF WATER RIGH	NSED SURVEYOR OR I	UTAH OIL AND GAS C	CONSERVATION GENERAL RULES:	RSON OR COMPANY OTHER THAN T	THE LEASE OWNER
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VERIFY THE FOL	Garry L. I	NSED SURVEYOR OR I	UTAH OIL AND GAS O	CONSERVATION GENERAL RULES: COMPLETE DRILLING PLAN FORM 5, IF OPERATOR IS PE TITLE Agent DATE August	RSON OR COMPANY OTHER THAN TO BE CEIVE AUG 2 6 2002	THE LEASE OWNER



DESIGNATION OF OPERATOR

The undersigned is, on the records of the School and Institutional Trust Lands Administration, holder of lease, ML 47441

and hereby designates

NAME:

SOLARIS EXPLORATION, INC. 16800 imperial Valley, Suite 380

ADDRESS:

Houston, Texas 77060

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Director of the Administration or his representative may serve written or oral instructions in securing compliance with the Rules and Regulations Governing the Issuance of Mineral Leases with respect to (describe acreage to which this designation is applicable):

Township 21 South, Range 19 East Section 32: SE/4 Gand County, Utah

Operator agrees to comply with all lease provisions, statutes, rules, and regulations, whether federal, state, or local, in its operations on the subject lease.

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Rules and Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Director, Trust Lands Administration or his representative.

The lessee agrees promptly to notify the Trust Lands Administration of any change in the designated operator.

ROCKSOURCE EMERGY CORPORATION

Thomas A. Collins, President (Lessee) Box 591847, Houston, TX 77269-1847 TIDEWATER QIL & GAS COMPANY, LLC

James S. Jones, Manager (Lessee) 11614 Elk Heed Range Road, Littleton, CO 80127 Atom 15 2002 Date

SOLARIS EXPLORATION. INC.

Lynn Faust, Vice President (Operator) 15800 Imperial Valley, Suite 380

Houston, TX 77060

Thus. 26, 2002 Date

G R Consulting P.O. Box 338 Mills, Wyoming 82644 Phone/Fax 307-237-3055 Cell phone 307- 267-0495

August 28, 2002

State of Utah Department of Natural Resources Division of Oil, Gas & Mining 1594 W. North Temple, Suite 1210 Salt Lake City, Utah 84114-5801

Attention: Diana Mason Petroleum Technician

Re: Solaris Exploration Corp

State #1-32

NE/4 SE/4 Sec. 32-T21S-R19E

Grand County, Utah

Water Rights approval t27029

Dear Ms. Mason:

Please find attached the a copy of the Utah Division of Water Right letter dated August 28, 2002, approving the Temporary Change Application for drilling water source for the referenced well. The Temporary Change Application 01-1130 approval number is t27029.

If further information or assistance is required please contact me at the above address or phone numbers..

For Solaris Exploration Corp

AUG 2 8 2002

DIV OF OIL, GAS & MINING

w/f

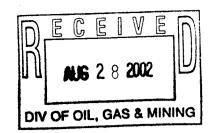
dc: L.Faust - SEC



Michael O. Leavitt Governor Kathleen Clarke

Executive Director Robert L. Morgan State Engineer State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

Southeastern Area 453 South Carbon Avenue PO Box 718 Price, Utah 84501-0718 435-637-1303 435-637-7937 (Fax)



August 27, 2002

State of Utah School & Institutional Trust Lands Administration 675 East 500 South Suite 500 Salt Lake City, Utah 84102

Re:

Temporary Change Application 01-1130 (t27029)

Expiration Date: December 31, 2002

Dear Applicant:

The above referenced Temporary Change Application is hereby approved. A copy is enclosed for your information and records.

If you have any questions, please feel free to contact me.

Sincerely,

Mark P. Page

Regional Engineer

pc:

Garry L. Roggow - GR Consulting

P.O. Box 338

Mills, Wyoming 82644

Enclosures MPP/mjk

SOLARIS EXPLORATION CORP Drilling Plan State #1-32 NE/4 SE/4 Sec. 32-T21S-R19E Grand County, Utah ML 47441

ESTIMATED GEOLOGICAL TOPS

Dakota	2,300'	Possible oil/gas
Lakota	2,400'	Possible oil/gas
Morrison	2,560'	Possible gas
Moab Tongue	3,500'	Possible oil
Entrada	3,700°	Possible oil
Navajo	4,200'	Possible oil
Wingate	4,750'	Possible oil

If casing is run in this well the noted zones will be protected with cement from TD to the surface.

BOP EQUIPMENT

9" X 3000 PSI S/900 SHAFFER SPHERICAL with 9" S/900 LWS DOUBLE HYDRAULIC (See diagram)

BOP Equipment and the 8 5/8" casing will be pressure tested to rated pressures prior to drilling out of the 8 5/8" surface casing. BOP rams will be function tested on trips and the stack will be pressure tested every 30 days if necessary.

CASING PROGRAM

SURFACE CASING:

8 5/8", 34#, J-55, ST&C, R-3 new casing with guide shoe, float collar and 4 centralizers, cemented to the surface with 50/50 Poz cement

1.25 < f1 SK

PRODUCTION CASING

5 ½", 15.5#, J-55, LT &C, R-3 new casing with guide shoe, float collar and 15 centralizers

The production casing will be cemented from TD back to 400' with sufficient tail slurry at 14.5 #/gal to bring cement to 3,000' and lead slurry at 12.6#/gal calculated to bring cement to 400'.

Page 2 – Drilling Program

DRILLING FLUID PROGRAM

0 - 450'..... Air, Air mud

450' - 3,000' Air, Air mud

3,000' - TDAerated fresh water containing Sal-Tex with high viscosity sweeps for hole cleaning.

TDAdd fresh water gel for 8.8 – 8.9ppg, 38-40 sec. mud for logging.

TESTING, CORING, LOGGING

DST Navajo ss if sufficient show

Mud logger will be installed 2,000' - TD.

Open hole logs:

Porosity, GR, Caliper TD - base of surface casing

Resistivity log TD – base of surface casing

ANTICIPATED PRESSURES

Encountered pressures are expected to "normal" - .433 psi/ft.

No abnormal pressures are expected.

There is no known H2S in the area.

RECEIVED

Adam's Mark Hotels & Resorts

AUG 29 2002

Guest Fax Transmittal Co	DIVISION OF OIL, GAS AND MINING					
To: Diama Mason To Name: Division Oil, Garand Poom#						
From: James Jones Tones	ax# <u>(303) 93,</u> hone# <u>(303) 93,</u>	2-1181				
Special Instructions: The attached Scupece use Sociaments as well as the gangument form Pepublic to Solano Exploration is being sent to you at John Bagas request Total Pages (including this cover sheet): (Customer not charged for this cover sheet)						
This is a schedule of Adam's Mark Hotels & Res Adam's Mark Hotel Charges for Reception & Transmission Per Page, to send first 3 pages Per page, to send pages over 3 Per Page, to receive first 5 pages Per Page, to receive any pages over 5 International Faxes	Guests \$3.00 per page \$2.00 per page No Charge \$0.50 per page Add \$1.00 per page	Non-Guests \$3.00 per page \$2.00 per page \$1.00 per page \$1.00 per page Add \$1.00 per page				
Method of Payment: Cash Room Charge Master Credit Card Liability Limitations - Adam's Mark Hotels does not guarantee or in any way represent or warrant the information transmitted or received. The Customer acknowledges and agrees that the service provided by Adam's Mark Hotel consists solely of providing Facsimile Transcelver Equipment and that Adam's Mark Hotel is not in any way responsible or liable for errors, omissions, inaccuracy, delays or interruptions in the information transmitted or received or for any damages resulting therefrom whether or not Adam's Mark Hotel or the Equipment, the Customer shall be entitled only to a refund of the cost of the transaction. The refund shall be in lieu of any other damages or remedies against Adam's Mark Hotel. I agree to pay the rates listed above for fax documents at this Adam's Mark location and accept the liability limitations as described above: Guest Signature: Date:						

ASSIGNMENT

For and in consideration of the sum of Ten Dollars (\$10.00) and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Republic Resources, Inc., 743 Horizon Court, Suite 333, Grand Junction, CO 81506, does hereby assign unto Solaris Exploration, Inc., 6800 Imperial Valley, Suite 380, Houston, TX 77060 all of its rights and obligations in the following:

- 1. That certain BLM Right-of-Way UTU-79427 (UT-062) located in the SE/4SW/4 of Section 28, Township 21 South, Range 19 East, SLM, Grand County, Utah;
- 2. That certain State of Utah Right of Entry No. 4446 within Section 33, Township 21 South, Range 19 East SLB&M, Grand County, Utah;
- 3. That certain Surface Use Agreement dated September 27, 2001, between Gay Shlenker Block, Executrix of the Estate of Irvin M. Shlenker, and Republic Resources, Inc. covering the NE/4SE/4 of Section 32, Township 21 South, Range 19 East SLM, Grand County, Utah; and
- 4. That certain Surface Use Agreement dated October 22, 2001, between Mae Dean Wheeler, Trustee of both the F. W. Bert Wheeler Trust and the Mae Dean Wheeler Trust and Republic Resources, Inc. covering the NE/4SE/4 of Section 32, Township 21 South, Range 19 East SLM, Grand County, Utah.

Solaris Exploration, Inc., by the execution hereof, agrees to assume all of the obligations of Republic Resources, Inc. under the above-described documents and agreements and agrees to indemnify and hold harmless Republic Resources, Inc. from all loss, cost, liability and expense arising out of, in connection with, or resulting from Solaris Exploration, Inc.'s ownership derived by this assignment or by its operations upon the lands described in each of the above documents.

Executed this day of	<u>sz</u> , 2002.
	REPUBLIC RESOURCES, INC.
MARILYN L. Marilyn L. My Commission Expires August 22, 2004	By:
C F COLOMB	Patrick J. Duncan, President
Executed this 27th day of A	Bust , 2002.
STERLING EMENS, III	SOLARIS EXPLORATION, INC.
Notary Public, State of Texas My Gommiesion Expires 18-20-2005	By: Laust

SURFACE USE AGREEMENT

THIS AGREEMENT is entered into this _______ day of September, 2001, by and between Gay Shlenker Block, Executrix of the Estate of Irvin M. Shlenker ("Surface Owner"), 1530 Bishop's Lodge Road, Santa Fe, NM 87501, and REPUBLIC RESOURCES, INC. ("Republic"), 743 Horizon Court, Suite 333, Grand Junction, CO 81506-8715.

Republic plans to drill and complete or plug and abandon a well in the NE/4SE/4 of Section 32, Township 21 South, Range 19 East SLM, Grand County, Utah and the Surface Owner owns Twenty-Five Percent (25%) of the surface of all of Section 32 ("Property"). Republic and Surface Owner have agreed to the settlement of surface damages in the amount of One Thousand Five Hundred Gross Dollars (\$1,500.00), being Three Hundred Seventy-Five Net Dollars (\$375.00) and in consideration of such payment and in consideration of the obligations set forth herein, Republic and Surface Owner agree as follows:

- 1. Said payment constitutes the full and entire consideration to be paid Surface Owner by Republic for the use of its partial ownership of the surface and all damages (except as provided in paragraph 2 hereof) to the land associated with the drilling. testing, completion, recompletion, reworking, re-entry, pumping, operations and maintenance of the drillsite located on the Property. The payment is for all damages to the Property, including, but not limited to, damages to growing crops, if any, removal, transportation and care of livestock, if any, construction of access roads, preparation and use of the drillsite area, preparation and use of reserve pits, and construction, installation and maintenance of production equipment and facilities such as flowlines, gas pipelines, separators, tank batteries and other equipment or facilities necessary or convenient to the production, transportation and sale of oil, gas and other materials produced by or used for production of oil and/or gas from the Property. With respect to the construction, access roads, preparation and use of the drillsite area, preparation and use of reserve pits, and construction, installation and maintenance of production equipment and facilities such as flowlines, gas pipelines, separators, tank batteries and other equipment or facilities necessary or convenient to the production, transportation and sale of oil, gas and other materials produced by or used for production of the well, Republic may exercise the rights granted in this Agreement at any time and from time to time without further additional consideration being payable to Surface Owner.
- 2. If, by reason of Republic's operations, there is damage to personal property located on the Property, or if there is damage to the Property caused by the negligence of Republic or an unreasonable use of the Property by Republic that is not associated with reasonable and normal drilling, testing, completion, recompletion, reworking, re-entry, pumping, production and maintenance operations, such as damage to structures, fences, culverts and cement ditches, such damage shall be repaired or replaced by Republic or Republic shall promptly pay Surface Owner for such damage.
- As between Surface Owner and Republic, Surface Owner shall have no liability for

the release or discharge by Republic, its contractors or agents, of oil, gas or any other substance on or under the property, except as any such release or discharge is caused in whole or in part by Surface Owner, Surface Owner's tenant, licensees, invitees, or agents, and Republic will indemnify and hold Surface Owner harmless from and against all costs and expenses (including reasonable attorney's fees) for any such release or discharge by Republic.

- 4. Republic agrees to restore the surface of the land in accordance with the minimum well site restoration requirements established by the Utah Division of Oil, Gas & Mining.
- 5. This Agreement constitutes written consent of Surface Owner for Republic to proceed with the drilling, testing, completion, recompletion, reworking, re-entry, pumping, operation and maintenance of the above-described drillsite on the Property.
- 6. Except as provided in paragraph 2 hereof, Surface Owner, for itself, and its successors and assigns, does hereby release, relinquish and discharge Republic, its successors and assigns, from all claims, demands, damages and causes of action, past, present and future, that Surface Owner may have by reason of the occupancy of the Property and for the drilling of the well and all other damage or injury to the Property caused by the drilling, completion, recompletion, reworking, re-entry, pumping, operation and maintenance of the well and Surface Owner accepts the above payment as full compensation for its interest therefor.
- 7. Surface Owner agrees to provide a copy of this Agreement to any potential successor or assign of Surface Owner prior to the closing of any sale of all or any portion of the Property.
- 8. This Agreement shall be binding upon and inure to the benefit of the successors and assigns of the parties hereto.

Agreed to and accepted the day and year first above written.

REPUBLIC RESOURCES, INC.

Patrick J. Duncan, President

25% SURFACE OWNER:

Gay Shlenker Block, Executrix of the Estate of Irvin M. Shlenker

SS# or Tax I.D. No. 74-19 02992

TELEPHONE LINE RIGHT-OF-WAY EASEMENT	.0021
KNOW ALL MEN BY THESE PRESENTS, that I the undersigned, Grantor	
SHLENKER ESTATE for a good and valuable consideration, the receipt of which hereby acknowledge, hereby grant unto EMERY TELEPHONE a cooperative corporation, hereinafter called 'Cooperative', Grantee, whose principal place of business and post office address is Orangeville, Utah, and to successors or assigns, the right to enter upon the land of the undersigned, situated in the County Of Grand, Stat Utah, and more particularly described as follows: A tract of land approximately acres in area, located _1_m a SW direction from the town of Crescent function Township 21 S Range _19 East Section 32 of the Salt L Meridian, and further described as follows:	its e of niles
Began SE-4 SE-4 SW-4, SE-5 SE-4, Section 32 - With a 8 ft Right of way North of D.O.T. Right of Way fence. Approximately 3480 ft in Section 32,	
to construct, reconstruct, operate and maintain on or under the above described lands, and-or in, upon or under streets, roads or highways abutting said lands, a telephone line or system, to cut and trim trees and shrubbery that interfere with or threaten to endanger the operation and maintenance of said line or system. The undersigned agree that all poles, wire and other facilities, including all telephone equipment, installed on the all described premises at the Cooperatives expense shall remain the property of the Cooperative, removable at the of the Cooperative. The undersigned covenant that they are the owners of the above described lands. GAY SHUENKER BUCCL, INDEP. BACTUTOR.	bove
STATE OF UTAH) SS: WILL CA COUNTY OF EMERY)	
Personally appeared before me this tday of L. My commission expires:	

(Notary Public) Chand Promunt
Residence: Utah

Derny

SURFACE USE AGREEMENT

THIS AGREEMENT is entered into this 22 nd day of 0c768EA 2001, by and between Mae Dean Wheeler, Trustee of both the F. W. Bert Wheeler Trust and the Mae Dean Wheeler Trust ("75% Surface Owner"), 1919 Whitney Street, Suite 100, Houston, TX 77006, and REPUBLIC RESOURCES, INC. ("Republic"), 743 Horizon Court, Suite 333, Grand Junction, CO 81506-8715.

Republic plans to drill and complete or plug and abandon the State #1-32 well ("Well") in the NE/4SE/4 of Section 32, Township 21 South, Range 19 East SLM, Grand County, Utah ("Property"); 75% Surface owner owns an undivided 75% share of the surface of the Property. Republic and 75% Surface Owner have agreed to the settlement of surface damages in the amount of One Thousand One Hundred Twenty-Five Dollars (\$1,125.00) and in consideration of such payment and in consideration of the obligations set forth herein, Republic and 75% Surface Owner agree as follows:

- 1. Said payment constitutes the full and entire consideration to be paid 75% Surface Owner by Republic for the use of the surface and all damages (except as provided in paragraph 2 hereof) to the Property associated with the drilling, testing, completion, recompletion, reworking, reentry, pumping, operations and maintenance of the drillsite located on the Property, including, but not limited to, damages to growing crops, if any, removal, transportation and care of livestock, if any, construction of access roads, preparation and use of the drillsite area, preparation and use of reserve pits, and construction, installation and maintenance of production equipment and facilities such as flowlines, gas pipelines, separators, tank batteries and other equipment or facilities necessary or convenient to the production, transportation and sale of oil, gas and other materials produced by or used for production of oil and/or gas from the Well. With respect to the construction, access roads, preparation and use of the drillsite area, preparation and use of reserve pits, and construction, installation and maintenance of production equipment and facilities such as flowlines, gas pipelines, separators, tank batteries and other equipment or facilities necessary or convenient to the production, transportation and sale of oil, gas and other materials produced by or used for production of the Well, Republic may exercise the rights granted in this Agreement without further additional consideration being payable to 75% Surface Owner. The "drillsite" or "drillsite area" is depicted on the plat attached as Exhibit "A" and the access road to the drillsite is shown on the attached Exhibit "B". At such time as Republic determines a need for flowlines and gas pipelines that cannot be laid along the access road as depicted on Exhibit "B", the parties will enter into a mutually acceptable agreement as to the location of such flowlines and gas pipelines and the consideration to be paid for any additional use of the surface not described herein.
- 2. If, by reason of Republic's operations, there is damage to personal property located on the Property, or if there is damage to the Property caused by the negligence of Republic or an unreasonable use of the Property by Republic that is not associated with reasonable and normal drilling, testing, completion, recompletion, reworking, re-entry, pumping, production and maintenance operations, such as damage to structures, fences, culverts and cement ditches, such damage shall be repaired or replaced by Republic or Republic shall promptly pay 75% Surface Owner for such damage.
- 3. As between 75% Surface Owner and Republic, 75% Surface Owner shall have no liability for the release or discharge by Republic, its contractors or agents, of oil, gas or any other substance on or under the Property, except as any such release or discharge is caused in whole or in part by 75% Surface Owner, 75% Surface Owner's tenant, licensees, invitees, or agents, and Republic will indemnify and hold 75% Surface Owner harmless from and against all costs and expenses (including reasonable attorney's fees) for any such release or discharge by Republic.
- 4. Republic agrees to restore the surface of the land as close to the pre-disturbed topography and surface condition as possible but not less than the minimum well site restoration requirements established by the Utah Division of Oil, Gas & Mining.



- 5. This Agreement constitutes written consent of 75% Surface Owner for Republic to proceed with the drilling, testing, completion, recompletion, reworking, re-entry, pumping, operation and maintenance of the well on the Property.
- 6. Upon completion of a producing well, Republic agrees to furnish 75% Surface Owner with a formal written release as to the surface usage covered by this Agreement with the exception of:
 - a. One service road to be used by Republic as the only means of ingress and egress to the drillsite area.
 - b. The immediate acreage around the Well, large enough in size to provide ample space for storage tanks and other production facilities, and also large enough for vehicle turnaround and other required use to properly maintain and operate the Well in accordance with the rules and regulations of the Utah Division of Oil, Gas & Mining.
- assigns, does hereby release, relinquish and discharge Republic, its successors and assigns, from all claims, demands, damages and causes of action, past, present and future, that Surface Owner may have by reason of the occupancy of the Property and for the drilling of the well and all other damage or injury to the Property earlied by the drilling, completion, recompletion, reworking, re-entry, pumping, operation and maintenance of the well and Surface Owner accepts the above





- 8. 75% Surface Owner agrees to provide a copy of this Agreement to any potential successor or assign of 75% Surface Owner prior to the closing of any sale of all or any portion of the Property owned by 75% Surface Owner.
- 9. Except for Paragraph 3. hereof which will survive the term of this Agreement, this Agreement will terminate at the end of two (2) years from the date hereof or, if the Well is productive, at such time as the Well is plugged and abandoned and the surface reclaimed and restored.
- 10. This Agreement shall be binding upon and inure to the benefit of the successors and assigns of the parties hereto.

Agreed to and accepted the day and year first above written.

REPUBLIC RESOURCES. INC

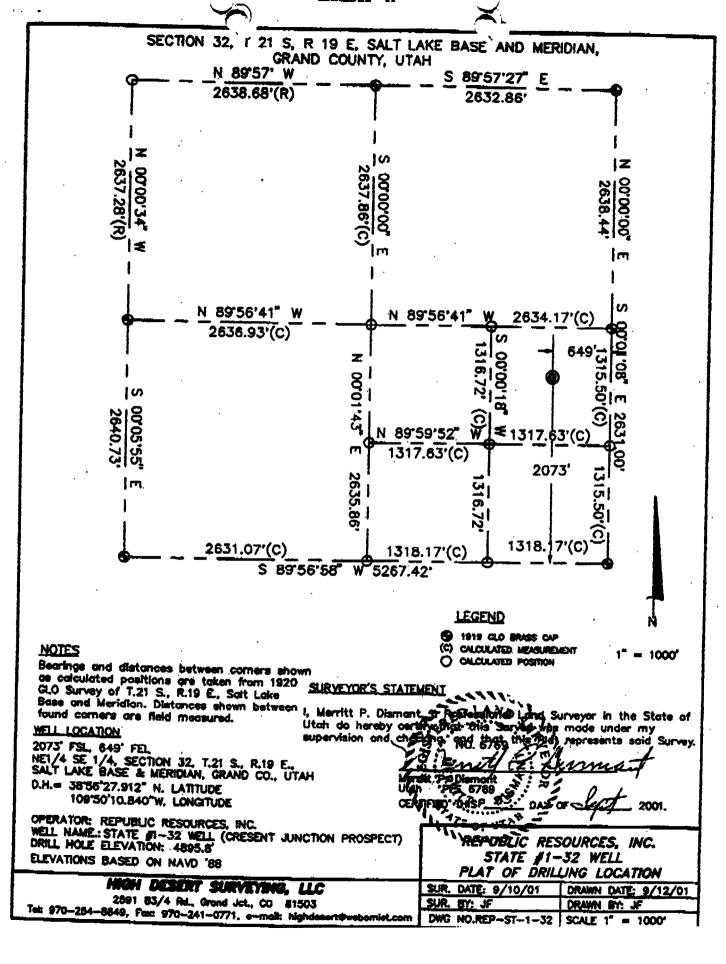
Patrick J. Duncan, President

75% SURFACE OWNER:

Mae Dean Wheeler, Trustee of the

F. W. Bert Wheeler Trust (Tax I.D. No. 76-6118953)

and the Mac Dean Wheeler Trust (Tax I. D. No. 76-6118954)



Name: CRESCENT JUNCTION Deta: 9/19/2001 Scale: 1 inch equals 2000 feet

12" E

access road

Location: 038° 56' 39.2" N 109° 49' 52.6" W Caption: REPUBLIC RESORCES, INC STATE WELL #1-32 SEC. 32, T21S, R19E, SALT LAKE BASE AND MERIDIAN

AFFIDAVIT OF TRUSTEE

STATE OF UTAH COUNTY OF GRAND

Before me, the undersigned authority, a notary public in and for the State of Texas, on this day personally appeared Mae Dean Wheeler (the "Affiant"), who being by me first duly sworn, on the Affiant's oath, states:

"I am a resident of Harris County, Texas.

"On my oath, I swear that I am the duly appointed and authorized Trustee of the F.W. Bert Wheeler and Mae Dean Wheeler Family Trust, the F.W. Bert Wheeler Trust, and the Mae Dean Wheeler Trust.

"F.W. Bert Wheeler and the Affiant, as grantors, established the F.W. Bert and Mae Dean Wheeler Family Trust by Trust Agreement dated November 9, 1984. The Trust Agreement was restated in First Restatement of Trust Agreement dated March 10, 1988, and was amended in a Restated First Amendment to Trust Agreement dated January 16, 1992.

"From time to time F.W. Bert Wheeler acquired real and personal property in the name of "F.W. Bert Wheeler, Trustee." At all times pertinent to the acquisition of any such property, F.W. Bert Wheeler was acting as the Trustee of the F.W. Bert and Mae Dean Wheeler Family Trust and acquired the various properties as the Trustee for the benefit of the F.W. Bert and Mae Dean Wheeler Family Trust regardless of whether or not the existence of the trust was specifically disclosed or title to any such properties were acquired specifically as trustee of the F.W. Bert and Mae Dean Wheeler Family Trust.

"I was married to F.W. Bert Wheeler and this marriage ended on July 27, 1996, because of the death of F.W. Bert Wheeler. F.W. Bert Wheeler was the Trustee of the F.W. Bert and Mae Dean Wheeler Family Trust during his lifetime, and the Trust Agreement provides that the Affiant, Mae Dean Wheeler, will become Trustee on the death of F.W. Bert Wheeler. The Trust Agreement further provides that upon the death of F.W. Bert Wheeler and Mae Dean Wheeler Family Trust shall be separated into two (2) trusts called the F.W. Bert Wheeler Trust and the Mae Dean Wheeler Trust, and that Mae Dean Wheeler will be Trustee of each of said separate Trusts as well.

"The Last Will and Testament of F.W. Bert Wheeler and the First Codicil to Last Will and Testament of F.W. Bert Wheeler were admitted to probate in Cause No. 9759, in the County Court at Law No. 1, Brazos County, Texas, and true and correct copies of the last Will and Testament of F.W. Bert Wheeler and the First Codicil to Last Will and Testament of F.W. Bert Wheeler are recorded in Volume 266, Pages 329 through and inclusive of Page 343, of the Official Records of Brazos County, Texas.

"This Affidavit is made and filed for record so that any and all parties who have transferred, acquired, or may in the future transfer or acquire, any interest in any property in Grand County, Utah, as well as so that any and all other parties, may rely on this Affidavit and the matters herein described."

By: Mar Don Cosheeler

Mae Dean Wheeler

Sworn and subscribed to before me, the undersigned authority, by the Affiant Mae Dean Wheeler on Octahon 18, 2001.

MARIA V. GARCIA
Notary Public, State of Totals
My Commission Expires
January 14, 2004

Notary Public in and for The State of Texas

v.092501L

STATE ACTIONS State Clearinghouse Coordinator 116 State Capitol, SLC, UT 84114 538-1535

1. Administering State Agency	2. State Application Identifier Number: (assigned by State Clearinghouse)
Oil, Gas and Mining 1594 West North Temple, Suite 1210	State Clearinghouse)
Salt Lake City, UT 84114-5801	
Suit Lake City, CT 61111 5001	
	3. Approximate date project will start:
	Upon Approval or August 30, 2002
4. Areawide clearinghouse(s) receiving state action: (to be	sent out by agency in block 1)
Southeastern Utah Association of Governments	
5. Type of action: //Lease /X/Permit //License /	/ Land Acquisition
	-
// Land Sale // Land Exchange // Other	
6. Title of proposed action:	
Application for Permit to Drill	
7. Description:	
Solaris Exploration Corp proposes to drill the State 1-32 w	vell (wildcat) on a State lease ML 47441, Grand County, Utah.
This action is being presented to the RDCC for considerati	on of resource issues affecting state interests. The Division of
Oil, Gas and Mining is the primary administrative agency i	n this action and must issue approval before operations
commence.	
8. Land affected (site location map required) (indicate cour	nty)
2774 674 6 1 22 T 11 21 G 1 P 12 F	. C. 10 . W.1
NE/4, SE/4, Section 32, Township 21 South, Range 19 Ea	st, Grand County, Utah
9. Has the local government(s) been contacted?	
No	
10. Possible significant impacts likely to occur:	
Degree of impact is based on the discovery of oil or gas	in commercial quantities.
11. Name and phone of district representative from your ag	gency near project site, if applicable:
12. For further information, contact:	13. Signature and title of authorized officer
Diana Mason	N/K K
Phone: (801) 538-5312	Labor D. Doma Associate Director
	John R. Baza, Associate Director Date: August 27, 2002
	Date: August 27, 2002

DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

OPERATOR:	Solaris Exploration Corp.		
WELL NAME & NUMBI	ER: State 1-32		
API NUMBER:	43-019-31394		
LOCATION: 1/4 1/4 NES	SE Sec. 32 TWP: 21S RNG: 19E	2073' FSL 649 FEL	

Surface:

Several visits have been made to the location since the permit was issued by DOGM, noting the construction of the location and pits. An inspection was made on September 4, 2002 to document the surface condition and extent of construction under the permit issued to Republic Resources. Solaris Exploration Corp. has taken over the mineral lease and has applied for a permit to drill this well. Mark L. Jones, DOGM, performed the inspection during which pictures were taken. The well pad has been built as per the Republic Resources permit however there are no berms. The pit is dug and has a synthetic liner installed, which was in excellent condition at time of inspection. The pit was not fenced. The blooie pit was dug but should have some work done on the north side to improve its integrity, (picture taken showing this). The access road into the location was as per the original APD and disturbance had been minimal. No new conditions exist at the surface of this proposed well.

Reviewer: <u>Mark L. Jones</u>	Date:_	September 4, 2002	
--------------------------------	--------	-------------------	--

Conditions of Approval/Application for Permit to Drill:

- 1. The location and pit shall be bermed as stated in the original Conditions of Approval..
- 2. The blooie pit should have some work done on the north side to improve its integrity



State of Utah

School and Institutional Trust Lands Administration 675 East 500 South, Suite 500 Salt Lake City, UT 84102 (801) 538-5100 FAX (801) 355-0922

	Date	9-4-02	
ompany Name		DOGM	
ontact Name	~	in Mac-	

FAX Number 538-5312-359-3940 Phone

Sender	Chris Hall
Description	Bond
	Jim just called (again!) (when)
	(when)
Number of Pag	es (including cover)

Aug 28 02 10:55a

eliant Exploration, Ltd. ; ,-931-9655

p.2

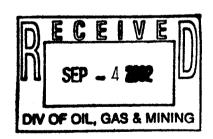
002

WELLS	Time Account Receipt/Disclosure						
FARGO	2014095137						
WELLS PARGO BANK TEXAS N.A.	Data tanver						
2014095137 Muliurky u.m. Your Tirm Account will muture on	08/28/2002 6 Priorities days						
This will be published with the	1.24						
EY ADDITAC TO PRINCIPAL							
YOU WILL AUTOMATICALLY RENEW MY TIME ACCOUNT	33 - 0993835						
THENTY THOUSAND AND 00/100	***\$20,000.00						
SOLARIS EXPLORATION, CORP. FEO STATE OF UTAH LI 16800 IMPERIAL VALLEY DR STE 300 HOUSTON IX 77060							

08/28/2002 10:06

This is a receipt. It need not be presented at the titus you obtain payment from the Bonk and, merelote, it is not evidence at an angoing deposit

TEA 86000 (2-00-101020-I)



Well name:

09-02 Solaris State #1-32

Operator:

Solaris Exploration Corp.

String type:

Production

Location:

Grand County

Project ID:

43-019-31394

Design parameters:

Collapse

Mud weight:

8.900 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor

Environment:

H2S considered? Surface temperature: No 75 °F

Bottom hole temperature:

Non-directional string.

142 °F

Temperature gradient: Minimum section length: 1.40 °F/100ft 375 ft

Burst:

Design factor

1.00

1.125

Cement top:

926 ft

Burst

Max anticipated surface

pressure: Internal gradient:

0 psi 0.462 psi/ft

Calculated BHP

2,219 psi

No backup mud specified.

8 Round STC:

Body yield:

1.60 (B)

Tension:

1.80 (J) 1.80 (J) 8 Round LTC: 1.60 (J) **Buttress:** 1.50 (J) Premium:

Tension is based on buoyed weight. 4,154 ft Neutral point:

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	4800	5.5	15.50	J-55	LT&C	4800	4800	4.825	16949
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	(psi) 2219	4040	1.82	2219	4810	2.17	64.4	217	3.37 J

Prepared

DKD

Utah Dept. of Natural Resources by:

Date: September 4,2002 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 4800 ft, a mud weight of 8.9 ppg The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

Well name:

09-02 Solaris State #1-32

Operator:

Solaris Exploration Corp.

String type:

Design parameters:

Mud weight:

Surface

Project ID: 43-019-31394

Location:

Collapse

Grand County

Design is based on evacuated pipe.

Environment: Minimum design factors:

1.00

Collapse:

1.125 Design factor

H2S considered?

Surface temperature: Bottom hole temperature:

75 °F 81 °F 1.40 °F/100ft

Temperature gradient:

Cement top:

26 ft

Minimum section length:

375 ft

No

Burst

Max anticipated surface

pressure: Internal gradient:

Calculated BHP

0.468 psi/ft 210 psi

0 psi

8.900 ppg

No backup mud specified.

Tension:

Design factor

Burst:

8 Round STC: 1.80 (J) 1.80 (J) 8 Round LTC: 1.60 (J) **Buttress:** 1.50 (J) Premium:

1.60 (B) Body yield:

Tension is based on buoyed weight. 391 ft Neutral point:

Non-directional string.

Re subsequent strings:

Next setting depth: 4,800 ft 9.000 ppg Next mud weight: 2,244 psi Next setting BHP: 19.250 ppg Fracture mud wt: 450 ft Fracture depth:

450 psi Injection pressure

Run	Segment		Nominal		End	True Vert	Measured	Drift	Est.
Seq	Length (ft)	Size (in)	Weight (lbs/ft)	Grade	Finish	Depth (ft)	Depth (ft)	Diameter (in)	Cost (\$)
1	450	8.625	32.00	J-55	ST&C	450	450	7.875	3591
Run Seq	Collapse Load	Collapse Strength	Collapse Design	Burst Load	Burst Strength	Burst Design	Tension Load	Tension Strength	Tension Design
1	(psi) 208	(psi) 2530	Factor 12.16	(psi) 210	(psi) 3930	Factor 18.68	(kips) 12.5	(kips) 372	Factor 29.77 J

Prepared

DKD

Utah Dept. of Natural Resources by:

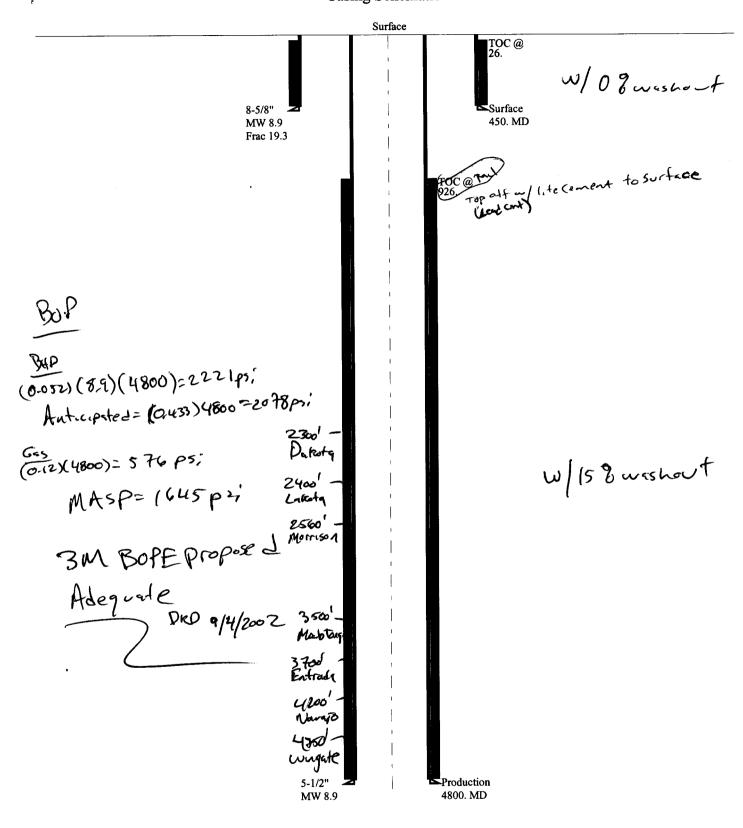
Date: September 4,2002 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 450 ft, a mud weight of 8.9 ppg The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

09-02 Solaris State #1-3 Casing Schematic





DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt Governor

Robert L. Morgan Executive Director Lowell P. Braxton

Division Director

Salt Lake City, Utah 84114-5801 (801) 538-5340 telephone (801) 359-3940 fax (801) 538-7223 TTY www.nr.utah.gov

PO Box 145801

1594 West North Temple, Suite 1210

September 5, 2002

Solaris Exploration Corporation 16800 Imperial Valley Dr., Ste. 380 Houston, TX 77060

Re:

State 1-32 Well, 2073' FSL, 649' FEL, NE SE, Sec. 32, T. 21 South, R. 19 East,

Grand County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-019-31394.

Sincerely.

John R. Baza

Associate Director

er

Enclosures

cc:

Grand County Assessor

SITLA



Operator:	Solaris Exploration Corporation
Well Name & Number	State 1-32
API Number:	43-019-31394
Lease:	ML-47441

Location: NE SE Sec. 32 T. 21 South R. 19 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statements of Basis. (Copies Attached)
- 6. The Application for Permit to Drill has been forwarded to the Resource Development Coordinating Committee for review of this action. Operator shall be required to comply with any applicable recommendations resulting from this review.
- 7. Surface casing shall be cemented completely from the setting depth of the casing back to the surface.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: SOLARIS EXPLORATION CORP							
Well Name:	STATE 1-32						
Api No: 43-019-3139	4Lease	Type: <u>ST</u>	ATE – S	URF FEE			
Section 32 Township	21S Range_	19E Co	unty	GRAND			
Drilling ContractorR	AWHIDE WESTE	RN	Rig #				
SPUDDED:							
Date	9/07/02						
Time	2:00 PM						
How	DRY						
Drilling will commend	:e:						
Reported by	SHORTY ALLI	RED					
Telephone #							
Date 09/09/2002	Signed:	СН	D				

007

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM

Solaris Exploration, Corp. Operator Account Number: N 2230 Operator:

Address:

16300 Juspesino Balley Dr. 380

aity Itouston

etate Texas TO TTULO Phone Number: <u>281-931-</u>8933

API Number	Well	Numb	90	Sec	Twp	Rng	County
43-019-313			NWSE	32	215	45	GRAND
Action Code	Current Entity Number	New Entity Number	9	pud Dw	•	1	tity Assignment Effective Date
A	99999	13898	9-	7-0	<u> </u>	9-	18-02
Comments:							

90	Sec	Twp	Rng	County
	Spud De	1	En	tity Assignment Effective Date
			Spud Date	Spud Date En

API Number	Well	Name	99	Sec	Twp	reng	County
Action Code	Current Entity Number	New Entity Number		Spud Da	for	Enti El	ty Assignment Nective Date
Comments:				'			

ACTION CODES:

- A Establish new entity for new well (single well only)
- 8 Add new well to existing entity (group or unit well)
- C Re-assign wall from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

LY.	MM	1=	A	<u>v:5</u>	T_
jeme (Please	Print)	1	_	1	

Solaris Exploration

Schlumberger

Production Log Advisor

Company	Solaris Exp	oloratio	n Corporation
Field		Wildo	eat
Well		State #1	1-32
Date Logged	21-Nov-2002	by	Palmer/Gibbons
Date Processed	22-Nov-2002	by	Jim Kohring
Reference Number	API	43-019	9-31394
Location	1		649' FEL and County, Utah
Remarks	GeoFrame Processed	Intern	retation v3.8.1

by Schlumberger/Data Services in Denver

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, cost, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to clause 4 of our general terms and conditions as set out in our current price schedule.

1. Production Logging Objectives

To interpret the production log data of the State #1-32 well which includes three down and three flowing up passes of the GHOST-A2 Gas Holdup Optical Sensing Tool (GHOST), PFCS-A Digital Entry Flowview Imaging Tool (DEFT), 2 1/2" Spinner with Dual-axis Caliper device, PGMS-A/B Gradiomanometer, and PSPT-A/B Pressure & Temperature tools that were 8.3 ft [2.52 m] recorded at various cable speeds, and resolve the following: contribution to total well flow from each of the 20 perforated intervals fluid type contribution from each of the 20 perforated intervals > comparison between the interpreted cumulative values with those observed at surface as a measure of validity of this interpretation **DEFT** probes **GHOST probes** 4.8 ft [1.45 m] 25.4 ft [7.72 m] [2.18 m] FloView probe GHOST probe 5.2 ft [1.59 m]

2. Methodology and Interpretation

The spinner calibrations, conversions and flow profile were computed using BorFlow v2.1 from GeoFrame v3.8.1, a production logging global solver.

Digital Entry FlowView Tool (DEFT)

Four electrical probes detect water (high conductivity) and hydrocarbon (low conductivity). The DEFT Holdup measurement provides a cross-sectional view of the wellbore with a value of 1.0 equivalent to 100% water, and a value of 0.0 synonymous to 100% hydrocarbon. The DEFT probes also count water and gas/oil bubbles as small as 1.0 mm, and is accurate in fluid velocities less than 250 ft./min. The DEFT probes and spinner are useful to within twelve & eighteen inches respectively off the bottom of the hole. The most important concept in interpreting this tool response is that it differentiates between water and hydrocarbon (gas & oil mix).

Gas Holdup Optical Sensing Tool (GHOST)

Four optical probes provide a light source into the wellbore fluids through a fiber optic channel. The measured reflection of light is high in gas and is absorbed (low) in liquid. The GHOST Holdup measurement also provides a cross-sectional view of the wellbore with a value of 1.0 analogous to 100% gas, and a value of 0.0 equivalent to 100% liquid. The GHOST probes also count gas and liquid bubbles as small as 0.1 mm, and are accurate in both high & low fluid velocities. A major feature with this tool is that it can detect entries of less than 1% liquid in gas wells. The most important concept in interpreting this tool response is that it differentiates between gas and liquid (water & oil mix).

GHOST Probes #1 & #3 provided poor results and were more than likely damaged during the logging process. Because all available probes from both the DEFT & GHOST were reading approximately the same, one may assume that the well is not deviated significantly across the perforated intervals and that there is no phase separation. Therefore, the loss of the two GHOST probes did not reduce the certainty of this interpretation, because the two available probes are measuring the same as the two damaged ones would have also measured.

Well Conditions

The twenty perforation intervals are in 5 ½", 15.5# casing (4.96" ID). The 2 7/8" tubing hangs down below Perf #14, and a packer located just above EOT isolates any production from the bottom six perforations that were evaluated in this interpretation.

The depth of Perf #19 is reported at 4,400'- 4,432'. There is no production across this interval, however, there is significant contribution above this depth where there is no reported perforation.

This interpretation assumes that either this Perf is mis-reported, or the gun was shot off-depth. If this 32' zone is adjusted -42', the flow characteristics as seen by this logging run matches the Perf location.

The deepest perforated zone (Perf #20) is below the available logs. The deepest Station measurement taken above this perforation at 4,465' indicates Water Holdup values of 88-92%, 30-50 hydrocarbon bubbles and 5-20 gas bubbles all percolating up from this bottom interval.

Dynamic Flowing Conditions

Flowing Temperature and Pressure 1st down pass: 123.5° and 911 psi @3,950' Maximum Temperature and Pressure 1st down pass: 125.2° and 1,001 psi @4,440' Flowing Temperature and Pressure 3rd down pass: 123.5° and 795 psi @3,950' Maximum Temperature and Pressure 3rd down pass: 125.4° and 905 psi @4,440'

As depicted above, wellbore pressure is decreasing significantly with time, therefore production is changing with time. The technique stacking of multiple passes together in order to determine average measurements could therefore, not be utilized.

3.0. Main Results

Reported surface flow rates immediately prior to logging:

 $Gas = 7,041 \text{ mcfpd} \qquad Water = 5,520 \text{ bwpd}$

Reported surface flow rates immediately after logging:

Gas = 1,676 mcfpd Water = 883 bwpd Oil = 77 bopd

Computed surface flow rates:

Gas = 1,918.8 mcfpd Water = 956.7 bwpd Oil = 93.2 bopd

Reservoir	voir Perforations		Oil			Water			Gas		
Zone	Dep	oth (ft)	Downhole bbl/d	Surface bbl/d	%	Downhole bbl/d	Surface bbl/d	%	Downhole bbi/d	Surface 1000 ft3/d	%
Perf 15	3962.00	- 3996.00	3.398	3.090	3.3	6.042	5.978	0.6	1826.690	562.502	31.6
Perf 16	4056.00	- 4066.00	0.370	0.336	0.4	46.034	45.542	4.8	182.333	57.482	3.2
Perf 17	4246.00	- 4272.00	3.755	3.398	3.6	750.319	742.257	77.6	1278.940	421.605	22.1
Perf 18	4332.00	- 4356.00	68.167	61.473	65.9	2.541	2.513	0.3	249.343	97.385	4.3
Perf 19	4358.00	- 4390.00	6.319	5.693	6.1	44.354	43.873	4.6	1740.930	596.786	30.1
Below survey	4391.00	- 4470.00	21.372	19.203	20.7	117.831	116.541	12.2	507.166	183.012	8.8
Total			103.381	93.192	-	967.122	956.704		5785.400	1918.770	

Oil = 480 bopd

Perfs #1-14 behind tubing & isolated with packer

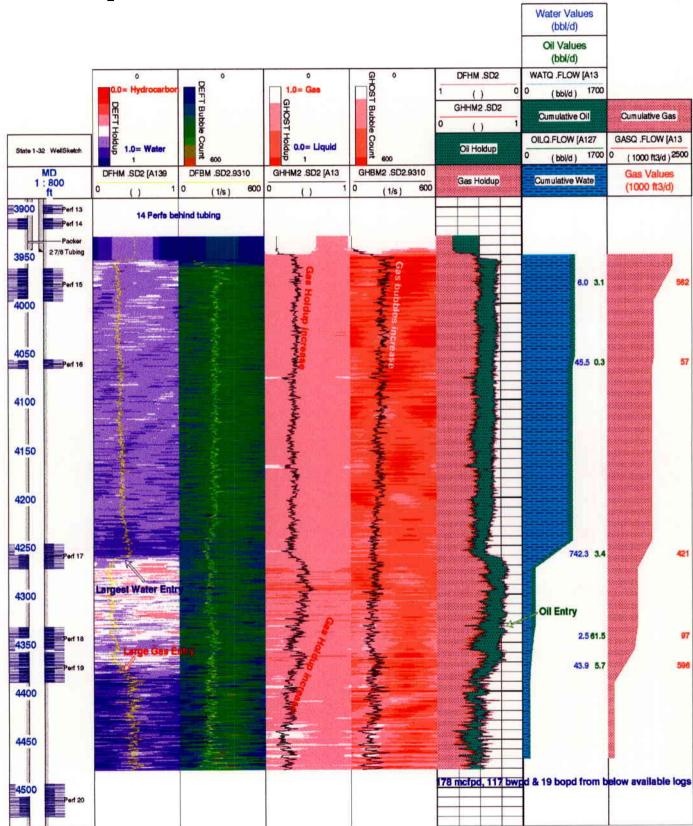
PVT Information

Oil gravity 42 API, Water salinity 20,000 ppm, Gas gravity 0.59804

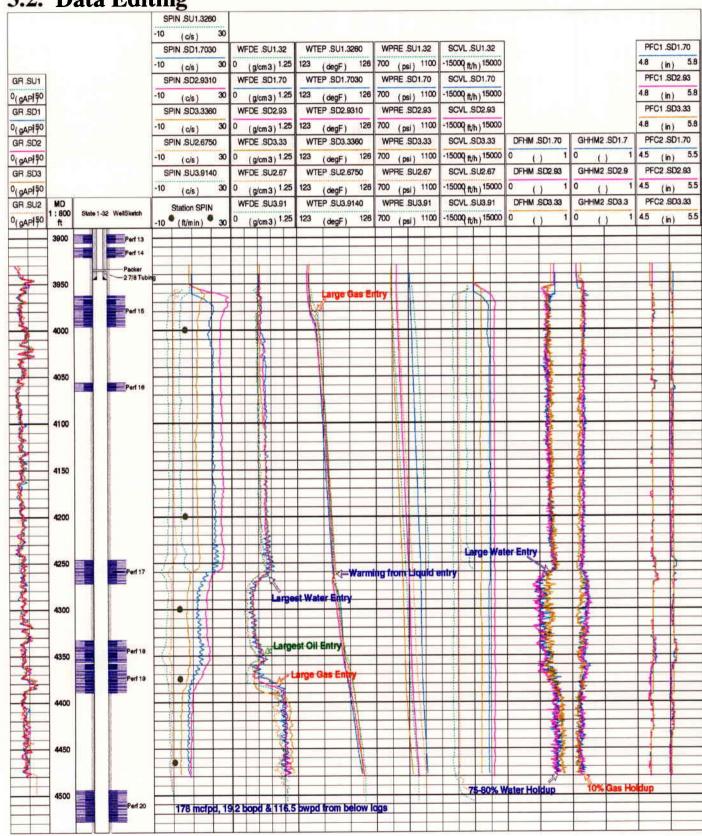
Well Deviation: not reported

5 1/2", 15.5# Casing: 4.96" ID; end of 2 7/8 tubing approximately 3,945"

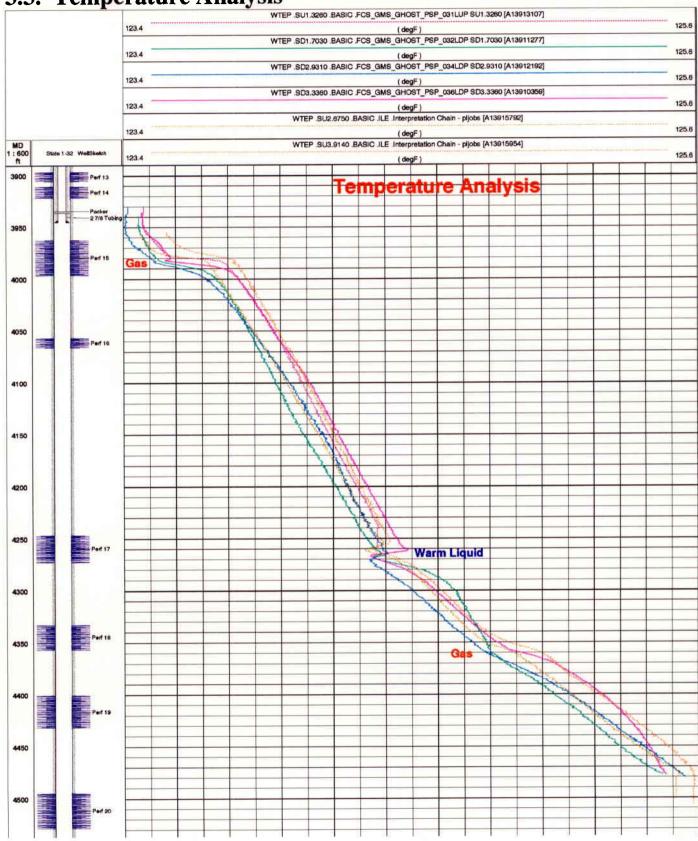
3.1. Interpretation Results



3.2. Data Editing



3.3. Temperature Analysis



3.4. Stable Intervals

SI	Top (ft)	Bottom (ft)	SPIN (ft/min)	VHBV (ft/min)	VGBV (ft/min)	MWFD (g/cm3)	WTEP (degF)	WPRE (psi)	WFDE (g/cm3)	Station SPIN
	3950.00	3961.00	223.41	170.24	49.40	0.257	123.406	828.37	0.545	
							123.422	829.51		
2	3997.00	4055.00	164.01	142.38	127.66	0.522	123.716	837.65	0.603	6.35
							123.911	850.82		
3	4067.00	4245.00	156.59	139.38	135.13	0.558	123.963	853.73	0.644	6.25
							124.360	896.65		
4	4273.00	4331.00	90.75	144.76	139.88	0.322	124.359	903.81	0.421	3.30
			,				124.650	911.80		
5	4356.00	4357.00	80.19	112.42	103.28	0.448	124.764	916.81	0.613	
							124.765	917.15		
6	4391.00	4470.00	21.62	165.94	132.72	1.006	125.052	925.23	1.026	0.65
							125.499	955.89		

3.5. Fluid PVT

Deceleration Date	Fluid Type	Gas/Water/Oil	
Production Data	Water Cut (%)	0.92	
			-
	Oil API Gravity (dAPI)	42.00	_
Standard Conditions	Gas Gravity	0.59804	
	Water Salinity (ppm)	20000.00	_
			_ Correlations
	Bubble Point Pressure (psi)		
Bubble Point	Solution GOR (ft3/bbl)		Standing
bubble Foint	Bo (bbl/bbl)	61379.60	
	Oil Density (g/cm3)		_]
			_
	Bo (bbl/bbl)	1.10	
	Bw (bbl/bbl)	1.01	
	1/Bg (ft3/bbl)	307.59	
	Oil Density (g/cm3)	0.78	
Danamalı Osmalitisma	Water Density (g/cm3)	1.00	
Reservoir Conditions	Gas Density (g/cm3)	0.04	
	Oil Viscosity (cP)	1.21	Beggs-Robinson
	Water Viscosity (cP)	0.55	Meehan
	Gas Viscosity (cP)	0.013	
	Solution GOR ()	5.64	Standing

INTERVAL TESTED CEASE HAVE \$ NO

STATE #1-32 4496'- 4521'

SOLARIS EXPLORATION CORP.

STATE

FORMATION

Ph (307) 662-9626

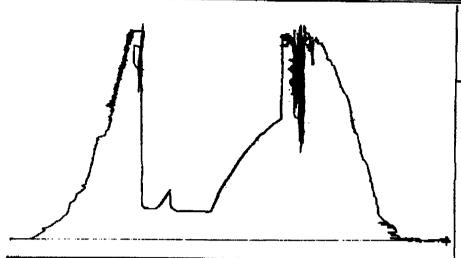


Technical Services

Contractor Sauers Drilling Surface Choke 1/4" Rig No. 30 Section Choke 3/4" Spot NE/SE Hole Size 7,7/6"			(87)) 605-6	540
Book AIR and	Mud Type	LSND	1		
Basi NEWC !	Weight	9.2	•		
1 100 200	Viecoelty	37			
Sec 32 Core Hole Size	Water Loss				
Twp 21 S DP 8tze & Wt 4" 14,00	Filter Calce	1.2			
tng 19 E Wt Pipe	RW	2.4	•	84	D
Field Wildcat ID of DC 2 1/4"	1	1,933		04	Deg F
County Greend Length of DC 508'	1	-			Ppm
State Utah Total Depth 4521	B.H.T.	124			Deg F
Elevation 4906' KB Type of Test Conventional					
formation Navajo Interval 4496'- 4521'	Co. Rep.	Shorty			
1120-1321	Tester	Den V	Villiam	8	
pe recovery:	Pressure in 8		320		
78' Drilling mud & formation water = 2.34 bbl.	Volume of Se		2150		pol
	Volume of Sa				00
op rw: 2.5 @ 88 Deg F/1,710 ppm NaCl.		a report	800		c¢
Riddle rw: 2.6 @ 88 Deg F/1,737 ppm NeCl.	CM: 0				Œ
lettom rw: 3.2 @ 86 Deg F/1,396 ppm NeCl.	Water: Tra				92
	Mud: 80	•			O¢.
urface blow:	Ges: 2.0				OUI
		o cuttin	—		
re-Flow: Began with a 1" blow, died in 3 minutes and remained thru flow period.	Rw: 2.8 @ 7	O Deg	F/1.64	Q Re	s Tem
inel Flow: Began with a 2" blow, decreased to surface bubbles in 5 minutes;	1,961 p				
creased to 9" in 10 minutes; decreased to 3" in 15 minutes, 2" in 20 minutes;	Gas/Oil Ratio		U , ,,	oz pp	· · · · · · · · · · · · · · · · · · ·
screased to 3" in 40 minutes and remained thru flow period. After shut-in blow	Gravity		•		
decreased and died in 15 minutes.			,		O Dag F
	Géuga Type	Machar	rical		
	No. 201			6760	pol
	Depth 452				R.
	Inside			Outoide	×
æ^ K 1}	initial Hydroutal Final Hydroutal		218 215	-	
经	initial Flow 1		370		
Mar /	Final Flow 1	ç	307		
	Initial Flow 2	E	347		
<i>∰</i>	Final Flow 2 Initial Flow 3	F H	272		
	Final Plow 3	1			
<i>(i - 17)</i>		•			
# d' ₹	Shub-in 1	D	532		
y ' 3 &	Shut-in 2	G	131	2	
X • / 1	Shubin 3	J			
*	}				
	1				
	Opened Tool &				
		Rep	orted	Correct	
	Flow 1	Rep 15	orted	Correct	ad min
	Flow 1 Shed-in 1	Rep 15 30	orted	Correct 15 30	nd min min
B C E	Flow 1 Shub in 1 Flow 2	Rep 15 30 60	orted	Correct 15 30 60	nd min min min
	Flow 1 Shed-in 1	Rep 15 30	orted	Correct 15 30	min min



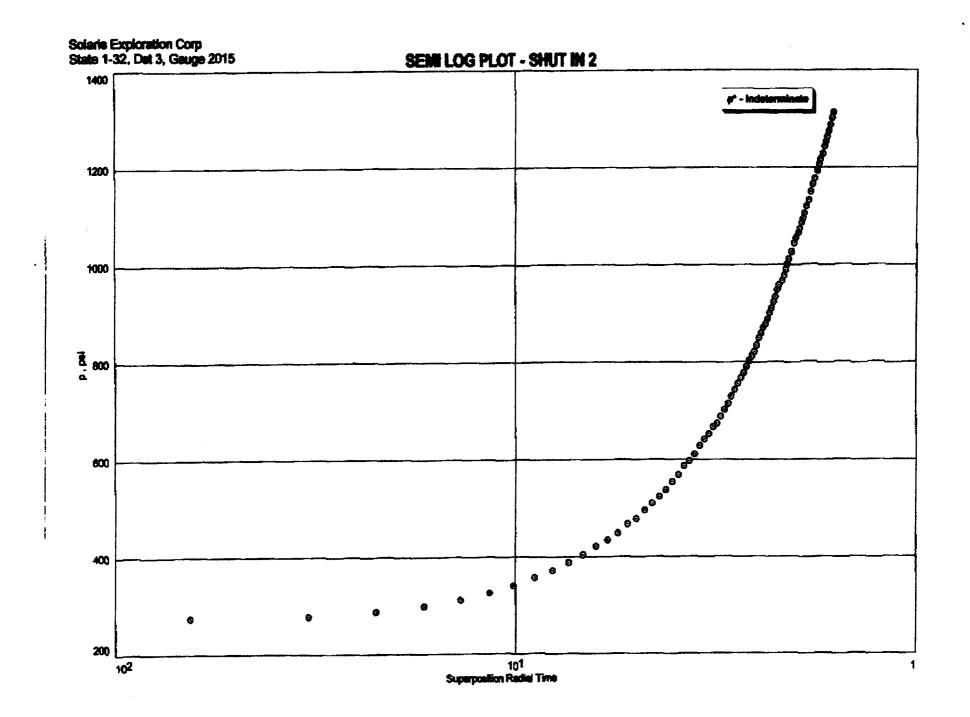
Solaris Exploration Corp. State #1-32, Dst #3



o. 1319 open 4476	-	Сер. 8075	pel ft.
vide x		Outside	•
Itle! Hydroetet	c A	2177	
Inal Hydroduli	в K	2140	
nitiel Flow 1	В	347	
inal Flow 1	C	320	
nitial Flow 2	E	323	
inel Flow 2	F	265	
nitial Flow 3	H		
inal Flow 3	J		
inut-in 1	D	516	
Shut-in 2	G	1284	
ihut-in 3	J		

No.		Cap.		pei
Depth Inside			Outside	R.
initial Hydrostatic	٨		•	
Final Hydrostatic	K			
Initial Flaw 1	В			
Finel Flow 1	C			
Initial Playy 2	E			
Final Flow 2	F			
initial Plany 3	Н			
Final Flow 3	1			
Shut-in 1	D			
Shue-in 2	Ģ			
Shut-in 3	j			

Depth		Сер.			psi L	
Ineide			Out	ide		
initial Hydrostatic	A			···		
Firmi Hydrostnije	K					
Initial Flant 1	8					
Final Ploy 1	C					
initial Flow 2	£					
Final Flow 2	F					
Initial Flow 3	н					
Final Flow 3	ŧ					
Shut-in 1	D					
Shut-in 2	Ģ					
Shut-in 3	J					



5205058393

MHUDSON DRS

Technical Services (877) 605-8540

Contractor					(4	77) 605-6	
Rig No. Spot Sec Twp Ring Fleid County State Elevation Formation	Sauers Drilling 30 NE/SE 32 21 S 19 E Wildost Grand Utah 4906' KB Nevajo	Surface Choke Bottom Choke Hote Size Core Hole Size DP Size & W! W! Pipe ID of DC Length of DC Total Depth Type of Test Interval	1/4" 3/4" 7 7/8" 4" 14.00 2 1/4" 508' 4272' Conventional 4237'- 4272'	Mud Type Weight Viscosity Water Loss Filter Celso RW 8.H.T. Co. Rep. Tester	LSND 9.2+ 40 7.6 2.5 2,041 124 Shorty Alin Den Willian	ed	Deg F Ppm Deg F
pe recovery:				Pressure in 8	lempler 95		
Rw: 2.8 @ Surface blow: Pre-Flow: nimutes; de during the seconds. Final Flow: surface in 5	mud = 1,683 ppm NaCl. 82 Deg F/1,683 ppm NaCl. Began with e 9" blow, increased to 2.0 psi in 10 minutes of the pre-fic Began with a 4" blow, increased minutes with 6.0 oz; decrees	ites and 1.5 psi in 1 w period. After she sed to bottom of bu sed to 1.0 oz in 10	15 minutes. Tool slid 6' ut-in blow died in 45 icket in 1 minute; gas to minutes. 0.5 oz in 16	Volume of Sa Volume of Sa Oil: 0 Water: 0 Mud: 70 Gee: 0.5 Other: 0 Rw: 2.8 @ 6 2,271 p	impler 215 imple 700 0	13 @ Re	m Cl.
intersery Other shut-in	too small to measure for re blow died in 7 minutes.	mainder of flow per	riod with a 1' to 3' flare,	Gauge Type No. 201		575 0	
				Dapth 421 Incide X	7	Outside	pei ft.
		K			lc A 20	Outside 074 051 96 14 16 24	•



WIERVAL TESTED 4237-

8TATE #1-32 4237- 4272'

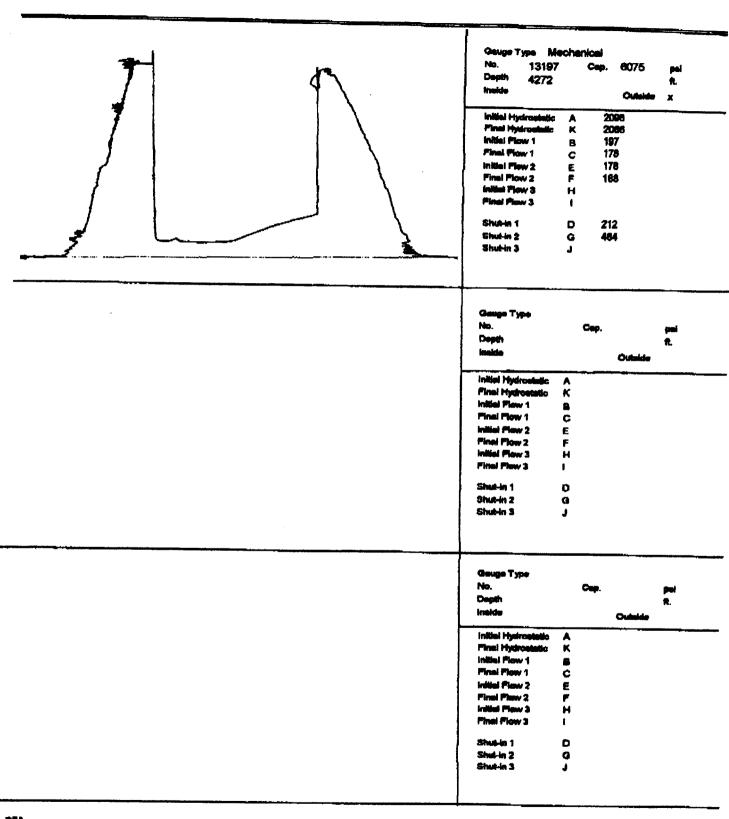
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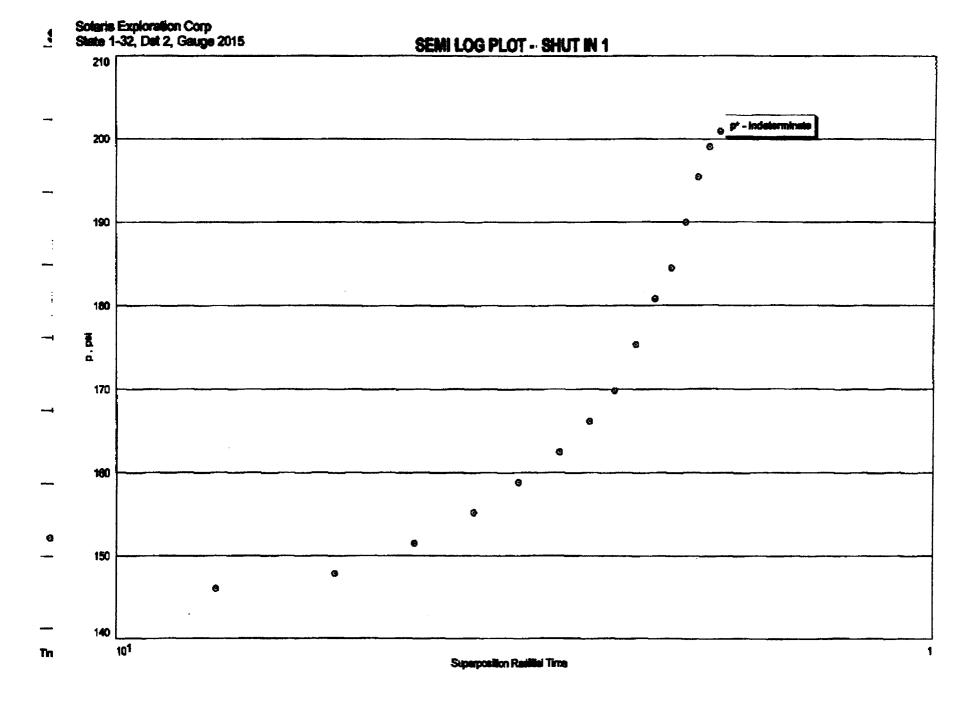
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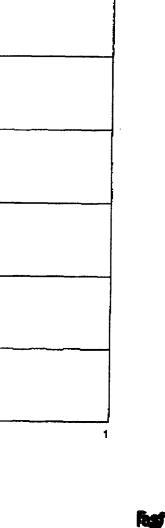
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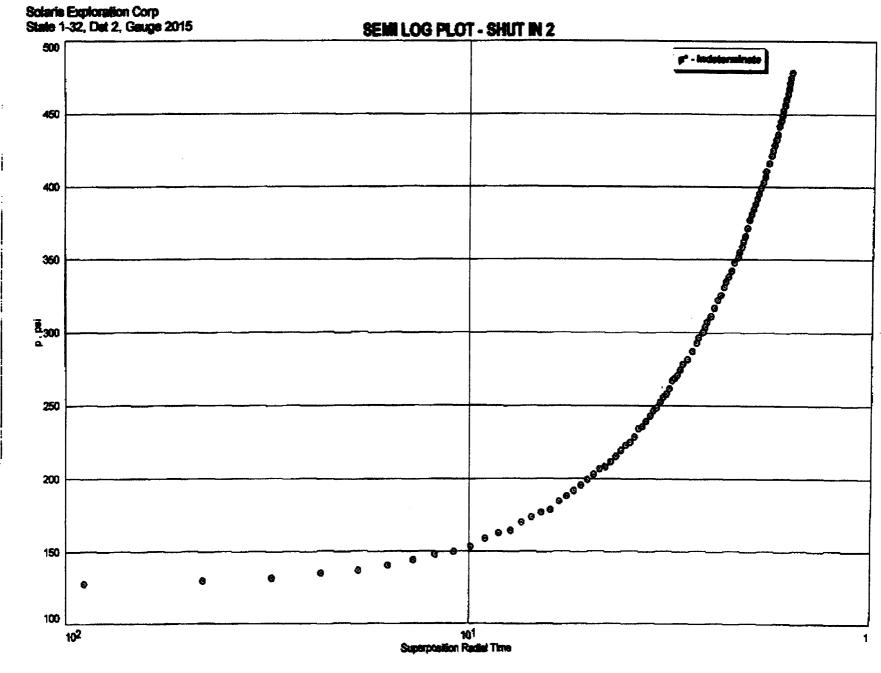
Scients Exploration Corp. State #1-32, Dat #2



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STATE OF UTAH FORM 8 AMENDED REPORT APR 0 3 2003 DEPARTMENT OF NATURAL RESOURCES (highlight changes) 5. LEASE DESIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING DIV. OF OIL, GAS & MIN 6. IF INDIAN, ALLOTTEE OR TRIBE NAME. WELL COMPLETION OR RECOMPLETION REPORT AND LOG 7. UNIT or CA AGREEMENT NAME 1a. TYPE OF WELL: OIL GAS OTHER 8. WELL NAME and NUMBER: b. TYPE OF WORK: Solaris State #1-32 NEW WELL DEEP-RE-ENTRY DIT! OTHER 9. API NUMBER: 2. NAME OF OPERATOR: Solaris Exploration 4301931394 10 FIELD AND POOL, OR WILDCAT 3. ADDRESS OF OPERATOR: PHONE NUMBER: Wildcat 16800 Imperial Valley Dr. City Houston STATE TX ZIP 77060 (281) 931-8933 4. LOCATION OF WELL (FOOTAGES) 11. QTR/QTR, SECTION, TOWNSHIP, RANGE, AT SURFACE: 2073' FSL .549' FEL NENE 32 21S 19E AT TOP PRODUCING INTERVAL REPORTED BELOW: 2073' FSL 549'FEL 12. COUNTY 13. STATE AT TOTAL DEPTH: 2073' FSL 549' FEL UTAH Grand 14. DATE SPUDDED: 15. DATE T.D. REACHED: 16. DATE COMPLETED: 17. ELEVATIONS (DF, RKB, RT, GL): ABANDONED READY TO PRODUCE GL. 4896', KB 4907 9/7/2002 9/29/2002 1/4/2003 19. PLUG BACK T.D.: MD 4,580 18. TOTAL DEPTH: MD 4,630 20. IF MULTIPLE COMPLETIONS, HOW MANY? 21. DEPTH BRIDGE PLUG SET: Co-mingled Kaye TVD 4.630 TVD 22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) MICROLING WAS WELL CORED? NO 🗸 YES [(Submit analysis) Neutron-Density, Dual Induction, GR, Caliper, ML, Sonic Dipmeter WAS DST RUN? NO _ YES 🔽 (Submit report) Caliper, (Case Hole) Temp, Spinner, DIRECTIONAL SURVEY? NO V YES (Submit conv) 24. CASING AND LINER RECORD (Report all strings set in well) STAGE CEMENTER DEPTH CEMENT TYPE & SLURRY HOLE SIZE SIZE/GRADE WEIGHT (#/ft.) TOP (MD) BOTTOM (MD) CEMENT TOP ** AMOUNT PULLED VOLUME (BBL) NO OF SACKS 12 1/4" 8 5/8 330 69 Surface 24 0 461 Type II 7 7/8" 5 1/2 15.5 0 464 177 Lite 260 Surface G 164 760 25. TUBING RECORD SIZE DEPTH SET (MD) DEPTH SET (MD) PACKER SET (MD) DEPTH SET (MD) PACKER SET (MD) PACKER SET (MD) SIZE 2 7/8 4.338 3.911 26. PRODUCING INTERVALS 27. PERFORATION RECORD FORMATION NAME TOP (MD) BOTTOM (MD) INTERVAL (Top/Bot - MD) NO. HOLES PERFORATION STATUS TOP (TVD) BOTTOM (TVD) SIZE 4.058 204 V (A) Kaventa 3.840 3,962 3,996 .45 Squeezed Open Wingate 4.058 4,528 4,056 .43 504 Squeezed 🗸 4,528 Open (C) Open Squeezed (D) Squeezed Open 28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND TYPE OF MATERIAL See Attached Acidizing, Fracture & Squeeze Record 29. ENCLOSED ATTACHMENTS: 30. WELL STATUS: ✓ ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY hut-in Pendin OTHER: SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PR	ODUCED:	TEST DATE:		HOURS TESTED):	TEST PRODUCTION RATES: →	OIL – BBL:	GAS MCF:	WATER - BBL:	PROD. METHOD:
1/3/2003		1/3/2003		2	24		35	0	65	Rod Pump
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY 42.00	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER - BBL:	INTERVAL STATUS
*				INT	ERVAL B (As show	wn in item #26)				
DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED	D:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS
				INT	ERVAL C (As show	wn in item #26)				
DATE FIRST PR	ODUCED:	TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:
		•		INT	ERVAL D (As show	wn in item #26)	•		•	-
DATE FIRST PR	ODUCED:	TEST DATE:		HOURS TESTED	HOURS TESTED:		OIL – BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS

Flared

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top Bottom (MD) (MD)		Descriptions, Contents, etc.	Name	Top (Measured Depth
 Navajo	3,384	3,428	Oil-bearing Porosity	Mancos	0
Navajo	3,428	3,922	Water-bearing Porosity	Dakota	2,718
Kayenta	3,962	3,996	Oil / Water Bearing Porosity	Morrison	3,012
Vingate	4,058	4,064	Oil / Water Bearing Porosity	Salt Wash	3,226
Vingate	4,246	4,272	Oil / Water Bearing Porosity	Carmel	3,250
Vingate	4,332	4,356	Oil / Water Bearing Porosity	Navaio	3,334
Vingate	4,494	4,528	Oil / Water Bearing Porosity	Kayenta	3,840
OST #1	4,236	4,272	See Attached DST Report	Wingate	4,058
OST #2	4,496	4,521	See Attached DST Report	Chinle	4,632

35. ADDITIONAL REMARKS (Include plugging procedure)

Well is currently shut-in, pending evaluation of horizontal drilling in the upper Navajo Sandstone.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from	m all available records.
NAME (PLEASE PRINT) A.W. Allred	TITLE Agent
SIGNATURE AND	DATE <u>84/02/03</u>

This report must be submitted within 30 days of

- completing or plugging a new well
- · drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- · significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

801-359-3940 Fax:

^{*} ITEM 20: Show the number of completions if production is measured separately from two or more formations.

^{**} ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Solaris State #1-32 Perforations

Origin	al Perfor	ations	· · · · · · · · · · · · · · · · · · ·		
Top	Bottom	Feet	Hole Dia	SPF	Formation
3384	3438	54	0.41	4	Navajo
3462	3486	24	0.41	4	Navajo
3488	3544	56	0.41	4	Navajo
3548	3612	64	0.41	4	Navajo
3620	3672	52	0.41	4	Navajo
3682	3704	22	0.41	4	Navajo
3710	3724	14	0.41	4	Navajo
3738	3792	54	0.41	4	Navajo
3798	3804	6	0.41	4	Navajo
3824	3838	14	0.41	4	Navajo
3840	3866	26	0.41	4	Kayenta
3878	3882	4	0.41	4	Kayenta
3896	3906	10	0.41	4	Kayenta
3910	3922	12	0.41	4	Kayenta
3962	3996	34	0.41	4	Kayenta
4056	4066	10	0.43	4	Wingate
4246	4272	26	0.43	4	Wingate
4332	4356	24	0.43	4	Wingate
4400	4432	32	0.43	4	Wingate
4494	4528	34	0.43	4	Wingate

Re-Pe	Re-Perforated Intervals												
Тор	Bottom	Feet	Hole Dia	SPF	Formation								
3384	3392	8	0.45	2	Navajo								
3400	3406	6	0.45	2	Navajo								
3408	3420	12	0.45	2	Navajo								

Re-Pe	Re-Perforated Intervals											
Тор	Bottom	Feet	Hole Dia	SPF	Formation							
3962	3996	34	0.45	2	Kayenta							

Sque	Squeezed Intervals												
Тор	Bottom	Feet	Hole Dia	SPF	Formation								
4246	4272	26	0.45	2	Wingate								

Solaris State #1-32 Frac Data

Тор	Bottom	Feet	Hole Dia	SPF	Formation	Type	Size	lbs	KCL %	Base	X-link	Vol, gal
3962	3996	34	0.41	4	Kayenta	Ottawa	20-40	42500	3	Guar	Borate	20000
4056	4066	10	0.43	4	Wingate							
4246	4272	26	0.43	4	Wingate	Ottawa	20-40	99500	3	Guar	Borate	42000
4332	4356	24	0.43	4	Wingate							
4400	4432	32	0.43	4	Wingate	Ottawa	20-40	99500	3	Guar	Borate	42000
4494	4528	34	0.43	4	Wingate							

Frac'd Wingate perforations 4400'-4432' & 4494'-4528' w/ 99,500 lbs 20-40 Ottawa sand 1-5 ppg in 1 ppg increments, & 42,000 gal of BJ service's Viking 1D 2500 fluid (3% KCl Borate X-linked guar gel) @ 24.9 - 24.7 BPM, 3248-3040-3471 psi. Initial break @ 3818 psi-16 BPM. ISIP-1720 psi, 5 min-1542 psi, 10 min-1396 psi. 120 F break on gel samples. Pressure up annulus & stung out of modified Lok-Set packer @ 4374'. P.O.O.H.

R.I.H. w/ Baker modified Lok-Set packer and retrievamatic packer in tandem. Set Lok Set pkr @ 4154' (4158' EOT). Frac'd Wingate perforations 4246'-4272' & 4332'-4356' w/ 99,500 lbs 20-40 Ottawa sand 1-5 ppg in 1 ppg increments, & 42,000 gal of BJ Svc's Viking 1D 2500 fluid (3% KCl Borate X-link guar gel) @ 24.8-24.7-24.8 BPM, 3714-3027-3211 psi. Initial break @ 4221 psi-11.4 BPM. ISIP-1510 psi, 5 min-1421 psi, 10 min-1367 psi. 120 F break on gel smpls. Stung out of modified Lok-Set pkr @4154'. Pulled up & set retrievamatic packer @ 3935' in 20,000# compression. Frac'd Wingate-Kayenta perfs. 3962'-3996' & 4056'-4066' w/ 42,500 lbs 20-40 Ottawa sand from 1-5 ppg in 1ppg increments, & 20,000 gal of BJ Service's Viking 1D 2500 fluid (3% KCl Borate X-linked guar gel) @ 12.7-24.8 BPM, 4828-5208-4712 psi. Initial break @ 5137 psi-13 BPM. ISIP-2220 psi, 5 min-1877 psi, 10 min-1773 psi, 15 min-1717 psi, 20 min-1668 psi, 25 min-1627 psi, 30 min-1588, 35 min-1537 psi, 40 min-1515 psi. 120 F break on gel samples.

Solaris State #1-32 Acid Jobs

Origin	al Perfo	rations	5			1							
Гор	Bottom	Feet	Hole Dia	SPF	Formation	Acid	Conc-%	Vol, gal	Date				
3384	3438	54	0.41	4	Navajo	One-Shot	7.5	17500	10/19/02				
3462	3486	24	0.41	4	Navajo								
3488	3544	56	0.41	4	Navajo								
3548	3612	64	0.41	4	Navajo								
3620	3672	52	0.41	4	Navajo								
3682	3704	22	0.41	4	Navajo								
3710	3724	14	0.41	4	Navajo								
3738	3792	54	0.41	4	Navajo								
3798	3804	6	0.41	4	Navajo								
3824	3838	14	0.41	4	Navajo	One-Shot	7.5	5670	10/16/02				
3840	3866	26	0.41	4	Kayenta								
3878	3882	4	0.41	4	Kayenta				Ì				
3896	3906	10	0.41	4	Kayenta								
3910	3922	12	0.41	4	Kayenta								
3962	3996	34	0.41	4	Kayenta								
4056	4066	10	0.43	4	Wingate			<u></u>					
4246	4272	26	0.43	4	Wingate	HCI	7.5	1000	10/14/02				
4332	4356	24	0.43	4	Wingate	HCI	7.5	1000	10/13/02	Acid	Conc-%	Vol, gal	Date
4400	4432	32	0.43	4	Wingate					HCI	7.5	500	10/12/02
4494	4528	34	0.43	4	Wingate	HCI	7.5	1500	10/11/02				

Re-Pe	rforated	Interv	als			7			
Тор	Bottom	Feet	Hole Dia	SPF	Formation	Acid	Conc-%	Vol, gal	Date
3384	3392	8	0.45	2	Navajo	One-Shot	7.5	1300	10/24/02
3400	3406	6	0.45	2	Navajo				
3408	3420	12	0.45	2	Navajo				



State of Utah

Department of Natural Resources

Division of Oil, Gas & Mining

ROBERT L. MORGAN Executive Director

LOWELL P. BRAXTON
Division Director

MICHAEL O. LEAVITT

OLENE S. WALKER Lieutenant Governor

April 16, 2004

CERTIFIED MAIL NO. 7002 0510 0003 8602 6228

Lynn Faust Solaris Exploration Corporation 16800 Imperial Valley Drive, Suite 380 Houston, Texas 77060

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases.

Dear Lynn Faust:

Solaris Exploration Corporation, as of April 2004, has one (1) State Lease Well (see attachment A) that is currently in non-compliance for extended shut-in or temporary abandonment status. Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

- 1. Reasons for SI/TA of the well (R649-3-36-1.1).
- 2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
- 3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).



Page 2 April 16, 2004 Lynn Faust

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).

- 1. Wellbore diagram, and
- 2. Copy of recent casing pressure test, and
- 3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
- 4. Fluid level in the wellbore, and
- 5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,

Dustin K. Doucet Petroleum Engineer

jc

cc:

John Baza Well File SITLA

Solaris Exploration Corporation

	Well Name	API	Lease Type	Years Inactive
1	State 1-32	43-019-31394	State	1 Year 0 Months

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

AMENDED REPORT	
(highlight changes)	

						(11971	Aur cum Ann
	AF	PLIC.	ATION FOR	O DRILL	5. MINERALLEASE NO: ML 47441	Fee	
1A. TYPE OF WO	oric DRII	山区	REENTER	DEEPEN		7. S' NOWN, ALLOTTEE O	R TRIBE NAME:
9. TYPE OF WE	ıı. O≀L⊠ G	GAS 🗍	OTHER	SH	GLE ZONE XX MULTIPLE ZONE	N/A \$ UNIT OF CA AGREEMEN	T NAME:
2. NAME OF OPE						9. WELL NAME and NUMB	FR-
Solaris	Explorat	ion C)rp			State #1-32	2
16800 I	mperial V	alley	Dr.,Ste.3	180, Houston	TX 281-931-8933	10 FIRD AND POOL OR	WILDCAT:
	MLCE (FOOTNOED)		431	0676 Y 3	R QUIDA	11, QTR/QTR, SECTION, T	OWNSHIP, RANGE,
AY SURFACE:	2073'FSL -	- 649	FEM 600	432 X -	109.83540	NE% SE% Sec.	32-T21S-R19
AT PROPOSED	PRODUÇING ZONE:	Same	}			SLB&M	
	MILES AND DIRECTI			rosromice tion, Utah		12. COUNTY:	13. STATE: UTAH
	NEAREST PROPER			-		Grand	
12 OISTANCE IC	649 '	IT OR LEAS	SE LINE (FEE1)		FACRES IN LEASE:	17. NUMBER OF ACRES ASSIGNATED 40	ED TO THIS WELL:
18. DISTANCE TO	D NEAREST WELL (D	AILLING, CI	OMPLETED, OR	19. PROPOSE		20. BOND DESCRIPTION:	
APPLIED FOI	R) ON THIS LEASE (FI	EET)		4	800 ¹	Surety bond apprintividual least	plied for
21. ÉLÉVATIONS	(SHOW WHETHER D		ETC.):	22. APPROXIM	MYE DATE WORK WILL START;	23. ESTIMATED DURATION:	~
	4896' GL			Augu	st 30, 2002	30 days	
24.			PROPO	SED CASING A	IND CEMENTING PROGRAM		
SIZE OF HOLE	CASING SIZE, GR	ADE, AND Y		SETTING DEPTH		NTITY, YIELD, AND SLURRY WEIG	нт
2 1/4"	8 5/8"	J55	34#	450'±	cement to surface	w/140±_sx 50/50	Poz, Cl. G
7 7/8"	5 1/2"	J55	15.5#	4800'±	cement to 400' w/87	5±sx 50/50 Poz,	class G 125
		•					
							} `
_		Martin		ATTA	CHMENTS		
<u> </u>						REC	EIVED
VERREY THE FOL	LOWING ARE ATTAC	HED IN ACC	CORDANICE WITH TH	E UTAH OIL AND GAS (CONSERVATION GENERAL RULES;	11 151 4	0.2007
WELL PL	AT OR MAP PREPARE		49ED SURVEYOR OF	RENGINEER	COMPLETE DRILLING PLAN	JUNI	0 2004
EVIDENC	E OF DIVISION OF W	ATER RIGH	TS APPROVAL FOR U	SE OF WATER	FORM 6, IF OPERATOR IS PER	BON OU COMENTA PROPERTY	GA SELEMINING
			* · · · · · · · · · · · · · · · · · · ·				
	Carro	: T. T	padom		mu Agent		
NAME (PLEASE F	+0/1) <u>(\$31.1.\</u>		<u> </u>		mile <u>Agent</u>		
SIGNATURE C	Sary.	<u> Z-X</u>	Baron		DATE HEREN	26, 2002/	
TIPACO (Or Stat	te upo only)	0		,			
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API NUMBER ASS	H2-	1)19	-31394		pproved by the [])		1
THE PERSON NAMED IN COLUMN 1					Gas and Mining	AUG 2 6 2002	U/
I/2001)					155-001/W	MUO 4 0 COUL	
iou i j				Manager 1	The Carte Change	OF OIL, GAS & MINI	ING
				By: 🛴	toon the	OIL, GAS & MIN	140

STATE OF UTAH

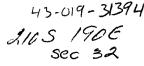
 DEPARTME	ENT OF N	ATURAL RES	OURCES
DIVISION	OF OIL,	atural res Gas And	MINING

	DESIGNATION (OF AGENT OR OF	PERATOR		
The undersigned is, on	record, the holder of oil and gas i	iease			
LEASE NAME:			***	^	r c
LEASE NUMBER:) Dree	Willa	thecl
and hereby designates					
NAME:	Mac Explo	ration.	e.p.		
ADDRESS:	MSC Explo	- Valley D	1. 5to	380	
	city Houston				>
regulations applicable t	ent / operator / with full authorities and on whom the Division the the Oil and Gas Conservation other conservation other co	Director or Authorize	d Agent may s	serve written or	oral instructions in
needed.)	to which this designation is applicable. Ide		by API number and	i name. Attach add	itional pages as
of the lease and the Oil State of Utah. It is also the lease.	s designation of agent/operator do I and Gas Conservation General I understood that this designation o	Rules and Procedural of agent or operator do	Rules of the B les not constitu	oard of Oil, Gas te an assignme	s and Mining of the nt of any interest in
In case of default on the terms or orders of the E	part of the designated agent/open Board of Oil, Gas and Mining of the	ator, the lessee will ma e State of Utah or its a	ike full and pror authorized repr	mpt compliance esentative.	with all pules, lease RECEIVED
The lessee agrees to p	romptly notify the Division Director	r or Authorized Agent	of any change	in this designat	ionIUN 1 0 2004
Effective Date of Desi	gnation: <u>L-10-04</u>			DI	V. OF OIL, GAS & MINING
BY: (Name)	nn Faust	OF: (Company	Sola	risExpla	peation Corp
(Signature)	L Laust	(Address)	16500	Imperia	e Valley Ste
(Title)V	P		div Hous	-••	
(Phone) 25	11-931-8933		state LY	zip 🖰	7060

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL GAS AND MINING

	DIVISION OF OIL, GAS AND MI	NING	8. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDRY	NOTICES AND REPORTS	S ON WELLS	8. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill ne drill horizontal la	iw wells, significently deepen existing wells below our arels. Use APPLICATION FOR PERMIT TO DRILL F	rent bottom-hale depth, reenter plugged wells, or to over for such proposals.	7. UNIT OF CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL	GAS WELL OTHER_		8. WELL MAME and NUMBER:
2. NAME OF OPERATOR:		1/0000	STATE #1-32
3. ADDRESS OF OPERATOR:	ploration, Corp	PHONE NUMBER:	43-019-31394 10. FIELD AND POOL, OR WELDCAT:
16800 Imp	ried ValleyTED1. 75	5tz. 380 281-931-8933	w.ideat
4. LOCATION OF WELL TOUS FOOTAGES AT SURFACE:	ton, TY 7706	. .	
			COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANC			STATE: UTAH
	OPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION	ACIDIZE	TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	DEEPEN FRACTURE TREAT	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	MEW CONSTRUCTION	TEMPORARILY ABANDON
:	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
Date of work completion:	CHANGE WELL STATUS COMMINGLE PRODUCING FORMATIONS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
	CONVERT WELL TYPE	RECLAMATION OF WELL SITE RECOMPLETE - DIFFERENT FORMATION	OTHER:
12. DESCRIBE PROPOSED OR CO	MPLETED OPERATIONS. Clearly show all pr	artinent details including detes, depths, volumes	i, etc.
	PERATUR:		RECEIVED
		etron L.P. / ial Valley D	Vasas III .
ω	SC Explore	extron L.P.	JUL 1 5 2004
10	,800 Imper	ial Valley D	DIV. OF OIL, GAS & MINING
<i>5</i> :	ta 380		***************************************
17	ouston, Tx	77060 17/2/0	4
·	Bond#	Deviced Equally vision of Oil, Gas and Mining	
	effective / bi	vision of Oil, Gas and Mining	· · · · · ·
C	ettective / pi	vision of Oil, Gas and Mining Irlene Russell, Engineering Tech	nician
		V.D. 5	
NAME (PLEASE PRINT)	·	TITLE VP - 30	claris Exploration, comp
SIGNATURE	Vaust	DATE	04
This space for State use only)			





State of Utah

Department of Natural Resources

ROBERT L. MORGAN Executive Director

Division of Oil, Gas & Mining

LOWELL P. BRAXTON
Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

November 29, 2004

CERTIFIED MAIL NO. 7002 0510 0003 8602 5955

Lynn Faust Solaris Exploration Corporation 16800 Imperial Valley Drive, Suite 380 Houston, Texas 77060

Re: Second Notice of Shut-in and Temporarily Abandoned Well Requirements for Wells on Fee or State Leases.

Dear Lynn Faust:

As of November 2004, Solaris Exploration Corporation ("Solaris") has one (1) State Lease Well, the State 1-32 (API # 43-019-31394), in non-compliance with R649-3-36. The requirements for extended shut-in or temporary abandonment (SI/TA) status have not been met for this well.

The Utah Division of Oil, Gas & Mining (the "Division") mailed a certified letter dated April 16, 2004 (received by Solaris on 4/19/2004) explaining why this well is in non-compliance and the necessary action Solaris must take before this well will be considered for extended SI/TA status. In addition, the Division initiated telephone contact with Ms. Lynn Faust and/or Mr. Guyland Williams on June 3, August 19 & 23, September 23 & 24 and October 1, 2004 regarding the above matter. To date Solaris has not submitted the information requested by the Division or demonstrated the well has integrity and is not a risk to public health and safety or the environment (R649-3-36-1.1-1.3).

If the Division does not receive the required information by written response within 30 days of the date of this notice, further action will be initiated by issuing a Notice of Violation (NOV). If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely

Dustin K. Doucet Petroleum Engineer

DKD:jc

cc: John Baza

Well File SITLA



State of Utah

Department of Natural Resources

ROBERT L. MORGAN Executive Director

Division of Oil, Gas & Mining

LOWELL P. BRAXTON
Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

December 2, 2004

Lynn Faust Solaris Exploration Corp 16800 Imperial Valley Dr, Suite 380 Houston, TX 77060

RE: Operator Changes for State 21-19#32-16D (API 43-019-31399) and State 1-32 (API 43-019-31394) and Plugging

Dear Ms. Faust:

The Division of Oil, Gas and Mining is returning the Form 9, Sundry Notice and Reports on Wells unapproved for operator changes from Solaris Exploration Corp to MSC Exploration, LP for the referenced wells.

Rule R649-3-1(14.6.1) states "If the division determines that the new operator's bond coverage will be insufficient to cover the costs of plugging and site restoration for the applicable well(s), the division may deny the change of operator ..."

Call if you have other questions (801) 538-5336.

Sincerely,

Earlene Russell

Engineering Technician

Enclosures (2)

cc: Dan Jarvis

Bond file

Well files



From:

"Williams, Galan" <gwilliams@PPITech.net>

To:

"'dustindoucet@utah.gov" <dustindoucet@utah.gov>

Date:

1/12/2005 3:56:42 PM

Subject:

MSC Exploration Solaris State #1-32

Dustin:

Please see the attached. Thanks for working with us.

Galan

J. Galan Williams, P. E. Vice President of Contracts and General Manager of Managed Risk PPI Technology Services, L. P. 800 Gessner, Suite 900 Houston, TX 77024

Ph: 713-464-2200 Fax: 866-591-4997

mailto:gwilliams@ppitech.net Check us out at www.ppitech.net

<Sundry Notice 1.pdf>> <<GW letter to D Doucet.pdf>> <<Well Plan
Outline.pdf>> <<Casing Test 1-10-05.pdf>> <<CMR 1-8-05 State MSC Solaris
#1-32.pdf>> <<CMR 1-9-05 State MSC Solaris #1-32.pdf>> <<CMR 1-10-05 State
MSC Solaris #1-32.pdf>> <<CMR 1-11-05 State MSC Solaris #1-32.pdf>> <<CMR
1-12-05 State MSC Solaris #1-32.pdf>></CMR

CC: ""Ifaust@mscexploration.com"" < Ifaust@mscexploration.com>, "james@jonesconsultants.com\" < james@jonesconsultants.com>



January 12, 2005

Mr. Dustin Doucet State of Utah Department of Natural Resources 1594 W. North Temple, Suite 1210 Salt Lake City, UT 84114

Re: S

Shut-in and Temporarily Abandoned Well Requirements

MSC Exploration State MSC Solaris #1-32

Grand County, Utah

Dear Mr. Doucet:

Please find attached information requested in your letter on the subject well dated November 29, 2004. The information consists of:

- 1. a current wellbore diagram
- 2. a recent casing pressure test verified by completion report and test chart
- 3. tubing and casing pressure verified by completion report
- 4. at a cost of over \$26,000, MSC Exploration moved a workover rig on the referenced well to perform the above tests for compliance with the State's requests. A test packer was set above the highest perforations, and the tubing/casing annulus was successfully pressured tested to verify casing integrity.

If there are any questions, please contact me. Thank you the opportunity.

Sincerely,

PPI Technology Services, L. P.

Malay William

J. Galan Williams, P. E.

Vice President

Project Manager Utah

MSC EXPLORATION, L. P.

Prospect: State Solaris MSC #1-32 Rig: Sauers #30 Location: Grand Co., UT

Proposed MD: Proposed TVD: 4,800' 4,800' Actual TD: 4,630'

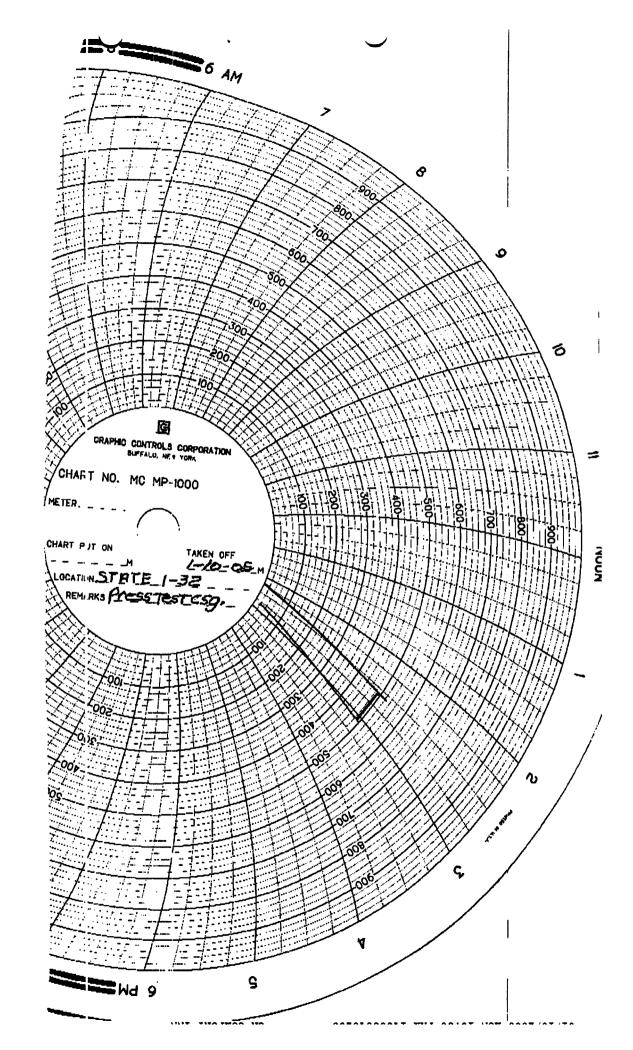
Location:

Sec. 32, T21S, R19E

Surface: Target: Target:

Primary Target Intervals

Logging	Targets	MD		Hole	Casing	Mud	Deviation	Cement
MWD / LWD	MD/TVD	TVD		Sizes	Strings	Density	BHST	
Set with Rathole Company				12-1/4"	8 5/8" 24.0 #/ft	AIR	Vertical	330 sxs Type II
					J-55 STC			2% CaCl2
	5.4	470' orations						
Bridge Plugs	Реп	orations	2-7/8" 6.5# J55 8REUE BOT PKR 4237			8.7		
	3,384'	3,392'						
	3,400	3,406'						
	3,408'	3,420'						
3,445'						Water Base	1	
	3,488'	3,544'						
	3,548'	3,612'				Non		
	3,620'	3,672'				Dispersed		
	3,682'	3,704'	2-7/8"			Mud		
	3,710'	3,724'	6.5#					
	3,738'	3,792'	J55					
	3,798'	3,806'	8REUE				1	
3,813'	0.004	0.0001						
	3,824'	3,832'		7 7/0"	,			
	3,840'	3,866'		7-7/8"				
	3,878' 3,896'	3,882' 3,906'						
	3,896	3,906 3,922'	ВОТ				1	
	3,910	3,922° 3,996'	PKR			1		
4,030'	3,902	3,990	4237					
4,030	4,432'	4,356'			5 1/2"		1	
4,390'	4,432	4,330			15.50 #/ft		1	
4,550	4,400'	4,432'			J-55		1	
	4,400	4,432			LTC			
	7,734	4,520						
		4,630'				9.2		





MSC Exploration
Daily Completion Report

Bloc	k. Lease and Well N	lo.	Contract Rig	DOL	DFS	Date on	Location	Completion Date	Report Date			
- St	ate MSC Solaris #1-	32	Leed #692	1		1/7/	2005		Jan 8, 2005			
MD IVD	Footage	AFE No.	AFE Amount	Auth, TD.		Compa	ny Repres	tepresentative				
3,445 3,445	PBTD		\$15,000 3,400' Norm Woods									
	Present Operation	on_	Rig Phone:	254-241-5317			Toolpush	er.				
	Prep to hot oil ro	ds	Rig Fax:	Rig Fax:			Allen Cermack					

3,445	3,445	PBT	TD D				\$15,000	-		3,400'	Norm Woods					
		Presen	t Operati	on			Rig Phon	ie:	2	54-241-53	17	Toolpust	<u>ier</u>			
		Prep to	hot oil ro	ods			Rig Fax:					,	Allen Cermac	k		
Current	t Weather	DONR	Vieit	_	NPDES		People	on Loc.:	5	l set BOP	Test Date		τ	RIG ELEV	/ATIONS	
Wind:	. TTOOLIO	Yes	√ No	1.050) Sample	Date		erator	1	East OOI 103t Date					11	ft
Seas:		Problem?	☐ Yes		, cumbic	D 01.0		tractor	4	Next BOP	Test Date		Water Dept	<u> </u>		ft
Sky:				Pass?	Yes	□No		rvice					RKB-CHF	<u> </u>		ft
	RECORD									•						
	Casing Str	ing	OD	Wt.	Grade	Conn.	Jts.	Run	Setting	Depth	Line	г Тор	MW when		LOT	
L						<u> </u>			MD	TVD	MD	TVD	Run	ın Pres EMW I		Leakoff?
Conduct	or		12-3/4"		LP	W		1	20'							
Surface			8 5/8"	24	K55	STC		12	470				8.6			
Producti	on		5 1/2"	15.5	J55	LTC			4,630'				9.2			
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5P W=	AUT 650	ED AND H	CRBAII	ᅜᇰᇊᇎ	Agn	L	L		<u> </u>	<u> </u>	<u> </u>	L	L	Ь		<u> </u>
BIT, WE	IGHI, SPE	Bit Type		JCS KE	JUND				Total				Ave		Grade	
No	Size	Manufa		Sorial	Number	Ι.	lets	Depth In		Hrs	WOB	Rpm	Avg ROP	Tooth	Bearing	Gage
140	3126	IVIGITATIO	O(d) B)	Serial	Number		612	Depurin	rootage	піз	WOB	rpni	KOF	10001	Dealing	Gaye
	+															
Bit R	emarks:			L		<u> </u>	Cum F	OT. Hrs	PL	Wt	SO	Wt	ROT Wt Torq		ONE	
													-			1
Pump							•				•			Slow	Pump Pres	sures
No.	Stroke	X Liner	Output	SPM	GPM	Pre	ssure JV		Pb		V	Speed	SPM	Pump #1	Pump #2	Pump #3
			gps							DC	DP	1/4				
. 1												1/2				
2				L	L							3/4				
BHA																
Length:		Descrip	otion:													
		•														
MUD DA	ATA				سد ، سب											
	WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL%	SD %	MBT	pΗ	Pm	Pf/Mf
PIT																
					Smpl	F.L.										
	Chic	orides	Ca	++	Temp	Temp		Screens			lud Engine	er		M	lud Compa	ny
PIT							#1	#2	Desand	Cent.						
	<u></u>		L		L	L	<u> </u>									
							#3	#4	Desilt	Mud Cl	Daily	Cost		Cı	mulative C	ost
AIREA=	MANAL CO.	DUEVA					L		L	L	<u> </u>		L	L		
	IONAL SU	TVI			GLE	Dia	antion .	- Co	linaton		s	D)		CLÓS	LIDE	
	MD	101	U	AN	GLE	Dire	ection	Coord	inates	<u> </u>	3	DL		CLOS	UKE	
		1														
													 			

DIRECTIONAL 30	DIRECTIONAL SURVETS													
MD	TVD	ANGLE	Direction	Coordinates	VS	DL	CLOSURE							
					11	T	ľ.							
							i							

TII	ME		Time	Boats:	Supply Boat Na	me:			Status:		
FROM	TO	HOUR	Code		Crew Boat Na	me:			Status:		
0600	0730	1.5	1	Moving off Cact	us Rose #2-1 location	1			Time Su	ımmary	
0730	0930	2.0	14	Rig traveling to	1-32. Road frozen.				Activity	Daily	Cum.
0930	1130	2.0	14	One anchor cou	ald not be found. WO	anchor setting	truck.		1. Mob/DeMob		
1130	1400	2.5	14	RU on #1-32					2. Cement		
				SDFN. Operato	or of rig had court app	ointment.			3. Circulate		
									4. Directional Work		
									5. Drilling		
									6. Drive Pipe		
									7. Fishing		
									8. OH Logging		
									9. Lost Circ.		
									10. Drill Cmt./LOT		
									11. N.U./ N.D.		
							12. P.U./L.D. BHA				
							13. P.U./L.D. Pipe				
									14. R/U; R/D	6.5	6.5
	l								15. Rig Repair		
									16. Run Casing		
									17. Service Rig		
									18. Sidetrack Op.		
									19. Stuck Pipe		
·									20. Survey		
									21. Trips		
									22. Tst. BOPs		
						-			23. UR/HO		
									24. W.O.W.		
									25. Wash & Ream		
									26. Well Control		
									27. WOC		
									28. Other		
									Total	6.5	6.5
	Hours	8.0									
Rig Do	wntime		Fuel U		Bulk Material on Board			Previous			
Daily Cum.	<u> </u>	Daily Cum.		Gais Gais	Cement: Barite:		SX .	Daily Cos Cum. Cos		959 959	
cum.		Cum.	<u> </u>	Gais	Darke:		SX	Cum. Co	и \$6,	ಶಾಚ	



	Serv	nology ices	y)ail	y Co	omp	letio	n Re	por	t		
		ck. Lease a tate MSC S					Contract ed Energy		<u>DOL</u> 2	DFS		Location 2005	Comple	tion Date
MD	TVD	Foot	age	_	E No.		AFE Amo	unt	Auth. TD.		Compa	nv Repre		
4,390	4,390	Prese	nt Operat	ion.		i	\$15,000 Rig Pho		2	4,400' 54-241-53	17	Toolpusi	Norm Wood	28
		Shut do	wn for Su	nday			Rig Fax:					<u> </u>	Allen Cerma	ck
	t Weather				NPDES			on Loc.:		Last BOP	Test Date			RIG EL
Wind: Seas:		☐ Yes Problem?	U No		0 Sample	Date		erator tractor		Next BOP	Test Date		RKB Water Dep	th
Sky:	RECORD		☐ No	Pass?	Yes	No	Se	rvice					RKB-CHF	
	Casing Str		OD	Wt.	Grade	Conn.	Jts	Run		Depth		г Тор	MW when	
Conduct	or		12-3/4"	+-	LP	w	<u> </u>	1	MD 20'	TVD	MD	TVD	Run	Pres
Surface Producti	OD.		8 5/8° 5 1/2"	24 15.5	K55	STC	<u> </u>	12	470' 4,630'	Ī			8.6 9.2	
rioducii	OII		3 1/2	13.5	355	Lic			4,030				3.2	<u> </u>
			<u> </u>			-	-						1	+
BIT. WE	IGHT, SPI	ED AND I	IYDRAU	LICS RE	CORD								<u> </u>	
BIT	T	Bit Typ Manufa	e and	1		T			Total		wan	_	Avg	L
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Bit Re	emarks:	L]		L	Cum.	ROT. Hrs	Pi	Wt	ŝ	Wt	RO	T Wt
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Pump No.	Stroke	X Liner	Output	SPM	GPM	Pre	essure	JV	Pb		V	Speed	SPM	Pump #
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2 BHA					L							3/4		
	T				Smpl	F.L.	<u> </u>		l	.			1	_
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PIT	Chi	orides	C	a++	Temp	Temp	#1	Screens #2	Desand	Cent.	lud Engine		1	
			C	a++								er Cost		
DIRECT	Chi					Temp	#1	#2	Desand	Çent. Mud Cl				I
DIRECT	IONAL SU	RVEYS			Temp	Temp	#1	#2	Desand Desilt	Çent. Mud Cl	Daily	Cost		I
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OPERA T FROM	NONAL SU MD TIONS SU IME TO	RVEYS TV MMARY HOUR	/D Time Code	AN Boats:	Temp	Temp	#1 #3 ection	#2 #4 Coord	Desand Desilt	Çent. Mud Cl	Daily	Cost	Status: Status:	
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OPERA T FROM 0600 0730 0800 0900	TIONS SU IME TO 0730 0800 0900	MMARY HOUR 1.5 0.5 1.0 5.0	/D Time Code 28 28 28 21	Boats: WO Cr Start ri Pumpe Pulled and 2 -	rew g. LD ho ad 50 bbi w/ 7/8" r 4' subs.	Dir	#1 #3 ection Supply B Crew B ad. RU h down ca d pump. 0' pump	#2 #4 Coord Oat Name: oat Name: ot oiler or sing @ 22 Laying do (THD) & 1	Desand Desilt Desilt casing. 20 deg. wn rods. 1/4" * 20	Mud Cl	Daily S S	Di.	Ac 1. Mob/De 2. Cemen 3. Circular 4. Direction	Time tivity eMob t
OPERA T FROM 0600 0730 0800	TIONS SU IME TO 0730 0800 0900	MMARY HOUR 1.5 0.5 1.0	Time Code 28 28 28	Boats: WO Cr Start ri Pumpe Pulled and 2 - and str Nipple Worker	Temp GLE GLD ho dd 50 bbl w/ 7/8" r 4' subs. uffing bo: up BOP d on tubi	rses he s water ods and Wang to pu	#1 #3 supply B Crew B ad. RU h down ca d pump. 0' pump. 0' pump y' of rods. ashingtor	#2 #4 Coord Oat Name: oat Name: ot oiler or sing @ 22 Laying do (THD) & 1	Desand Desiit Casing. Co deg. wm rods. 1/4* 20	Mud Cl	Daily S S S 4 - 7/8" (DL	Ac 1. Mob/De 2. Cemen 3. Circula 4. Directic 5. Drilling 6. Drive P	Time tivity eMob t te onal Work
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OPERA TI FROM 0600 0730 0800 0900	TIONS SU TIONS SU TIONS SU TIONS SU TO 0730 0800 0900 1400 1500 1645	HOUR 1.5 0.5 1.0 5.0 1.8	Time Code 28 28 21 28 21	Boats: WO Cr Start ri Pumpe Pulled and 2 - and str. Nipple Worker not cor SWI S	rew g. LD ho ad 50 bbl w/ 7/8" r - 4" subs. up BOP d on tubi me loose DFN	rses he s water ods and Wang to pu	#1 #3 supply B Crew B ad. RU h down ca d pump. 0' pump. 0' pump y' of rods. ashingtor	#2 #4 Coord Oat Name: oat Name: ot oiler or sing @ 22 Laying do (THD) & 1	Desand Desiit Casing. Co deg. wm rods. 1/4* 20	Cent. Mud CI V Total of 16' polish roo	Daily S S S 4 - 7/8" (DL	Ac 1. Mob/Do 2. Cemen 3. Circula 4. Directic 5. Drilling 6. Drive P 7. Fishing 8. OH Log 9. Lost Ci 10. Drill C	Time tivity eMob t te onal Work ripe agging rc.
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OPERA TI FROM 0600 0730 0800 0900	TIONS SU TIONS SU TIONS SU TIONS SU TO 0730 0800 0900 1400 1500 1645	HOUR 1.5 0.5 1.0 5.0 1.8	Time Code 28 28 21 28 21	Boats: WO Cr Start ri Pumpe Pulled and 2 - and str. Nipple Worker not cor SWI S	rew g. LD ho ad 50 bbl w/ 7/8" r - 4" subs. up BOP d on tubi me loose DFN	rses he s water ods and Wang to pu	#1 #3 supply B Crew B ad. RU h down ca d pump. 0' pump. 0' pump y' of rods. ashingtor	#2 #4 Coord Oat Name: oat Name: ot oiler or sing @ 22 Laying do (THD) & 1	Desand Desiit Casing. Co deg. wm rods. 1/4* 20	Cent. Mud CI V Total of 16' polish roo	Daily S S S 4 - 7/8" (DL	Status: AC 1. Mob/D/ 2. Cernen 3. Circula 4. Directic 5. Drilling 8. OH Log 9. Lost Ci 10. Drill C 11. N.U./ 12. P.U./ 13. P.U./ 14. R/U, F 15. Rig R 16. Run C 17. Servic 18. Sidetr	Time tivity and be to be
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MSC Exploration Technology **Daily Completion Report** Services Contract Rig Leed #692 Block, Lease and Well No. - State MSC Solaris #1-32 Report Date DOL DES Date on Location Completion Date 1/7/2005 Jan 10, 2005 MD TVD Footage AFE No. AFE Amount Auth. TD. Company Representative 4,390 | 4,390 4,400 Norm Woods 254-241-5317 Present Operation Rig Phone Prep to pull packer and tubing Rig Fax: Allen Cermack Current Weather DONR Visit NPDES Wind: Yes J No LC50 Sample Date Seas: Problem? Yes People on Loc.: Last BOP Test Date RIG ELEVATIONS Next BOP Test Date Contractor Water Depth □ No Pass? □ Yes □ No Sky: CASING RECORD RKB-CHF Setting Depth LOT Run EMW Leakoff? 12.3/4 Conductor 24 K55 STC 8 5/8" 470 8.6 Surface J55 LTC BIT, WEIGHT, SPEED AND HYDRAULICS RECORD Bit Type and Manufacturer Avg ROP Rpm No Footage WOB Cum. ROT. Hrs Bit Remarks: Slow Pump Pressures Pump #1 Pump #2 Pump #3 AV T<u>DP</u> Stroke X Liner SPM GPM J۷ DC 1/4 1/2

Length:		Descrip	otion:													
MUD DA	TA															
	WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL%	SD %	MBT	pН	Pm	Pf/Mf
PIT																
					Smn	E										

	•		Smpl	F.L.								
	Chlorides	Ca++	Temp	Temp	Shaker	Screens	Но	urs M	lud Engineer	м	ud Compar	ny
PIT					#1	#2	Desand	Cent.				
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l					#3	#4	Desilt	Mud Cl	Daily Cost	i Cu	mulative Co	OSI

DIRECTIONAL SU	KTEIG						
MD	TVD	ANGLE	Direction	Coordinates	VS	DL	CLOSURE
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OPERATIONS SU	MMARY		*				

DIDECTIONAL SUBVEYO

TIN	ΛE		Time	Boats:	Supply Boat Name:			Status:		
FROM	TO	HOUR	Code		Crew Boat Name:			Status:		
0600	0600			Shut down for S	Sunday.			Time Su	mmary	
								Activity	Daily	Cum.
					*			1. Mob/DeMob		
								2. Cement		
								3. Circulate		
								4. Directional Work		
								5. Drilling		
								6. Drive Pipe		
								7. Fishing		
								8. OH Logging		
								9. Lost Circ.		
								10. Drill Cmt./LOT		
								11. N.U./ N.D.		
								12. P.U./L.D. BHA		
								13. P.U./L.D. Pipe		
								14. R/U; R/D		6.5
								15. Rig Repair		
								16. Run Casing		
								17. Service Rig		
								18. Sidetrack Op.		
								19. Stuck Pipe		
								20. Survey		
								21. Trips		6.75
					'			22. Tst. BOPs		
								23. UR/HO		
								24. W.O.W.		
								25. Wash & Ream		
								26. Well Control		
		İ						27. WOC		
								28. Other		4.25
								Total		17.5
Total i										
Rig Do	wntime		Fuel U		Bulk Material on Board		Previous			
Daily		Daily	<u> </u>	Gals	Cement:	sx	Daily Cos Cum. Cos	t \$2,		
Cum.		Cum.		Gals	Barite:	SX	Cum. Cos	st \$15	343	



MSC Exploration Daily Completion Report

	POCL A	ices		ш., сср			<u> </u>			
	Bioc	k. Lease and Well N	o.	Contract Rig	DÖL	DFS	Date on	Location	Completion Date	Report Date
	- State MSC Solaris #1-32 TVD			Leed #692	4		1/7/	2005		Jan 11, 2005
MD	IVD	<u>Footage</u>	AFE No.	AFE Amount	Auth. TD.		Compa	ny Repres	entative	
4,390	IVD Footage AFE No. 4,390 PBTD			\$15,000		4,400*			Norm Woods	
		Present Operati	on .	Rig Phone:	2	4-241-53	17	Toolpush	er er	
		SD Waiting on rig	crew	Rig Fax:					Allen Cermack	

L		IBRE MSC S					Leeg #6		4	l		2005	L.,,		Jan 11	, 2005
MD	IVD	<u>Footi</u>		AEL	No.		AFE Amo		Auth. TD.		Compa	nv Repres		_		
4,390	4,390	PB1		<u> </u>			\$15,000 Rig Phon			4,400° 54-241-53	17		Norm Woods	3		
		SD Waiti	nt Operati				Rig Fax:	16:		34-24 1-33	17	Toolpush	i <u>er</u> Allen Cermac	-k		
		30 Warn	ing on ing	CION			ININ FRA						Allon Connac			
Current	Weather	DONR	Visit	ſ	NPDES		People	on Loc.:	ſ	Last BOP	Test Date	1	í .	RIG ELEV	ATIONS	
Wind:		☐ Yes	✓ No	LC50	Sample	Date		erator	î –		**		RKB			ft
Seas:		Problem?	☐ Yes				Cont	tractor		Next BOP	Test Date	•	Water Dept	h		ft
Sky:			☐ No	Pass?	Yes	□No	Se	rvice					RKB-CHF			ft
	RECORD															
'	Casing Str	ing	OD	Wt.	Grade	Conn.	Jts.	Run		Depth		Top	MW when	i _ ,	LOT	
<u> </u>			40.0/45		LP	101		_	MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff?
Conducte Surface	or		12-3/4" 8 5/8"	24	K55	STC		1 12	20' 470'		 		8.6			
Production	on		5 1/2"	15.5	J55	LTC			4,630'	1	† 		9.2			
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			<u> </u>								ļ		ļ		ļ	
DOT WAS	CUT ONE	ED AND H	VABAIII	VO DE	080	L	L				Ц	<u> </u>	L		ullet	
BIT	I I	Bit Typ		I REC	JORD			T	Total				Avg		Grade	
No	Size	Manufa		Serial I	Number	ا ا	lets	Depth In		Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
-	1										<u> </u>					
								I .								
Bit Re	marks:						Cum. F	ROT. Hrs	₽U	Wt	sc	Wt	ROT	Wt	Tore	que
Pump	,										L	F		Slow	Pump Pres	eurose.
Pump No.	Stroke	X Liner	Output	SPM	GPM	Pre	ssure	JV	Pb		v	Speed	SPM		Pump #2	
	L.		gps	L		L			L	DC	DP	1/4				
1												1/2				
2			L	L	l	L		L				3/4	L			
BHA																
Length:		Descrip	ption:													
-																
MUD DA	TA						-									
	WT.	VIS	PV	ΥP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL%	SD %	MBT	pН	Pm	Pf/Mf
PIŤ										İ						
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	Chi	orides	C.	1++	Temp	Temp	Shaker	Screens	н	ours M	Aud Engine	NAT .		l M	lud Compar	nv I
PIT					•	Ė	#1	#2	Desand							•
	ļ .										1					
							#3	#4	Desilt	Mud Cl	Daily	Cost		Cu	mulative Co	ost
DIRECT	ONAL SU	DVEVO					L	1		L	<u> </u>			L		
	AD	TV	0	I AN	GLE	Dir	ection	Coore	dinates	1 V	/S	DL	r	CLOS	URE	
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	TONS SU	MMARY	-	-			I I						·			
FROM	ME TO	HOUR	Time Code	Boats:				oat Name: oat Name:				-	Status: Status:			
0600	0730	1.5	28	WO Cn			0.011 1	00111071107					<u> </u>	Time Su	mmary	
0730	0915	1.8	21			osi. N	iople dov	vn BOPE	to release	tension o	on packer		Acti		Daily	Cum.
	H									7/8" tubin			1. Mob/De			
	†									1.1') pack			2. Cement			
	<u>† </u>						tal of 423		g.uppic (, paon	0. (1.0.1)		3. Circulate			
0915	1130	2.3	21						8'), packe	r (5.05') (l	BHA - 8.4	3')	4. Direction			
1130	1330	2.0	28		tbg. And	•			,, , ,	1-12-11		-	5. Drilling			
	1						bg. Total	of 3371' I	KB. Set pa	acker @ 3	376'.KB		6. Drive Pi	pe		
1330	1400	0.5	28							toil truck			7. Fishing			
										psi for 30			8. OH Log	ging		
1400	1430	0.5	28					pumping					9. Lost Cin			
1430	1545	1.3	21	POOH	with tubi	ng, and	BHA sta	nding ba	ck. 74 jts	(2170') ou	ut		10. Drill Cr			
1545	1600	0.3	28	SWI S	DFN								11. N.U./ N	I.D.		
				Ĺ									12. P.U./L.	D. BHA		
	L	L											13. P.U./L.	D. Pipe		
	L			Locatio	n 1-35	Tubing	from Sol	aris State	21-19 #3	2-16D wa	s inspect	ed.	14. R/U; R	/D		6.5
				134 jts	total								15. Rig Re	pair		
				2 jts no	drift								16. Run Ca	asing		
				15 jts b	ent								17. Service	Rig		
	L			12 jts. E	3ad thre	ads							18. Sidetra	ick Op.		
				13 jts b	ad collar	rs							19. Stuck I	³ ipe		
L	ļ				hite ban								20. Survey			
	$ldsymbol{ldsymbol{ldsymbol{eta}}}$									bing. 3340			21. Trips		5.25	12
				C&R pi	pe has 7	740' of	2 7/8" tu	bing to de	liver Wed	I. Total pi	ipe 11079	<u>'</u>	22. Tst. BC)Ps		
I				L		-						_	23. UR/HC)		
	<u> </u>			to be o	n locatio	n.										
				to be o	1 locatio	n.							24. W.O.W			
				to be o	n locatio	n.							24. W.O.W 25. Wash	/. & Ream		
				to be of	n locatio	n.							24. W.O.W 25. Wash 26. Well C	/. & Ream		
				to be of	n locatio	n.							24. W.O.W 25. Wash 26. Well C 27. WOC	/. & Ream		
				to be of	n locatio	n.							24. W.O.W 25. Wash 6 26. Well C 27. WOC 28. Other	/. & Ream	4.75	9
				to be of	n locatio	n.							24. W.O.W 25. Wash 26. Well C 27. WOC	/. & Ream	4.75	9 27.5

Previous Cost Daily Cost Cum. Cost \$15,343 \$5,685 \$21,028



MSC Exploration
Daily Completion Report

_	1 ;	DCI VI	ices .								
Г		Bloc	k, Lease and Well N	<u>6.</u>	Contract Rio	DOL	<u>DFS</u>	Date on	Location	Completion Date	Report Date
1		- St	ate MSC Solaris #1-	32	Leed Energy #692	5		1/7/	2005		Jan 12, 2005
Г	MD	ĪVD	Footage	AFE No.	AFE Amount	Auth. TD.		Compa	ny Repres	entative	
Ŀ	4,390	4,390 PBTD			\$15,000		3,400*			Norm Woods	
Г			Present Operati	<u>ou</u>	Rig Phone:	29	54-241-531	17	Toolpush	<u>er</u>	
L		Rig d	own & Move Leed E	nergy #692	Rig Fax:				A	Men Cermack	

4,390	4,390	PB1		AE:	E NO.		\$15,000		Auth. ID.	3,400	Compa	ny Kepres 	Norm Wood	5		
	Rigo	Preser lown & Mov	nt Operat ve Leed E		592		Rig Phor Rig Fax:	le:	2	54-241-53	17	Toolpush	<u>ier</u> Allen Cermad	ck		
Current	Weather	DONR	Visit	Т	NPDES		People	on Loc.:	5	Last BOP	Test Date		1	RIG ELEV	/ATIONS	
Wind:		∐ Yes	☑ No	LC50	Sample	Date	Оре	erator	1				RKB		11	ft
Seas: Sky:		Problem?	Yes No	Pass?	☐ Yes	IIINo	· · · · · · · · · · · · · · · · · · ·	rvice	4	Next BOP	Test Date	·	Water Dept RKB-CHF	h		ft
	RECORD			r 400:		10.00	1 00	1100	·	L			paro-orii			
	Casing Str	ing	OD	Wt.	Grade	Conn.	Jts.	Run	Setting MD	Depth TVD	Line MD	r Top TVD	MW when Run	Pres	LOT EMW	Leakoff?
Conducto	or		12-3/4"		LP	w	Η-	1	20'	145	l MiD	100	Ruii	Fies	EMINA	Leakon
Surface Production			8 5/8" 5 1/2"	24 15.5	K55	STC		12	470' 4,630'				8.6 9.2			
PIOUUCIK	л		3 1/2	13.5	355	110			4,630				9.2			
												ļ				
BIT, WEI	GHT, SPE	ED AND H		LICS REC	CORD	ī			Total	T	Ι	r	Avg	r	Grade	
No	Size	Manufa		Serial I	Number	,	Jets	Depth In		Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
ļ	-							<u> </u>		-						
Bit Re	marks:						Cum. F	OT. Hrs	PU	Wt	sc	Wt	RO	Wt	Tor	que
Pump	1	-	1	ı	1	ı				ı	<u> </u>			Slow	Pump Pres	sures
No.	Stroke	X Liner	Output gps	SPM	GPM	Pre	ssure	J۷	Pb	DC	V DP	Speed 1/4	SPM	Pump #1	Pump #2	Pump #3
			yapa		<u> </u>	_			-		- Jr	1/2				
2 BHA			L									3/4		L		L
Length:		Descri	ption:													
MUD DA	ŤÁ						-									
	WT.	VIS	PV	ΥP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL%	SD %	MBT	pН	Pm	Pf/Mf
PIT																
			·				·		<u> </u>		<u> </u>			<u> </u>		<u>' </u>
	Chi	orides	C	3++	Smpl Temp	F.L. Temp	Shaker	Screens	Ho	ours M	lud Engine	er		∧	lud Compa	ny
PIT							#1	#2	Desand			·				
\vdash	L		<u> </u>		<u> </u>	<u> </u>	#3	#4	Desilt	Mud CI	Daily	Cost	[Ci	ımulative C	ost
NIBEATI	ONAL SU	BVEVE						L	L							
	4D	TV	D	AN	GLE	Dir	ection	Coon	linates	l v	S	DL	L	CLOS	URE	
					-											
	TONS SU	MMARY		<u> </u>		L			·	<u> </u>						
FROM	ME TO	HOUR	Time Code	Boats:				oat Name: oat Name:					Status: Status:			
0600	0730	1.5	28	WO Cn										Time Su	ımmary	
0730 1015	1015 1100	2.8	28	_				to work.					Acti		Daily	Cum.
1100	1230	0.8 1.5	21 21					cker. Sta 2 7/8" tu		k tubing.	LD packe	NT .	 Mob/De Cement 		1	1
								er is not s					3. Circulat			
1230	1330	1.0	11			flange u	p wellhe	ad					4. Direction	nal Work		
1330 1530	1530 1630	2.0 1.0	14		ling unit. d up unit	,							5. Drilling6. Drive Pi	ne .	-	-
		1.0		SWI S									7. Fishing	po		
													8. OH Log			
	ļ		├	1——						1. Truck s on freeze.			9. Lost Cir 10. Drill Cr			
				•	tion this		<u>υ, υυ- ι ιπ</u>	no monifi	y u wall C		- UI SIIC	77	11. N.U./ N		1	1
													12. P.U./L.			
ļ			 										13. P.U./L.		<u> </u>	
	-		-	 									14. R/U; R 15. Rig Re		2	8.5
				<u> </u>									16. Run C			
				ļ									17. Service			
-	<u> </u>			 								····	18. Sidetra 19. Stuck		····	
													20. Survey			
			L										21. Trips		2.25	14.25
	ļ		-	 									22. Tst. B0 23. UR/H0		-	
-													24. W.O.W			
													25. Wash	& Ream		
-			<u> </u>	-					<u> </u>				26. Well C	ontrol	<u> </u>	<u> </u>
-			1	-									27. WOC 28. Other		4.25	13.25
													Total		10.5	38
	Hours	10.5	Fuel U	leane		Bully A4	aterial on I	Roard				Previous	Cost	\$21	028	
Rig Do																



January 12, 2005

Mr. Dustin Doucet State of Utah Department of Natural Resources 1594 W. North Temple, Suite 1210 Salt Lake City, UT 84114

Re:

Shut-in and Temporarily Abandoned Well Requirements

MSC Exploration State MSC Solaris #1-32

Grand County, Utah

Dear Mr. Doucet:

Please find attached information requested in your letter on the subject well dated November 29, 2004. The information consists of:

- 1. a current wellbore diagram
- 2. a recent casing pressure test verified by completion report and test chart
- 3. tubing and casing pressure verified by completion report

alay Wilter

4. at a cost of over \$26,000, MSC Exploration moved a workover rig on the referenced well to perform the above tests for compliance with the State's requests. A test packer was set above the highest perforations, and the tubing/casing annulus was successfully pressured tested to verify casing integrity.

If there are any questions, please contact me. Thank you the opportunity.

Sincerely,

PPI Technology Services, L. P.

RECEIVED

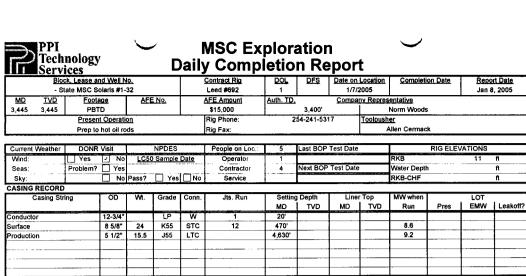
JAN 1 2 2005

DIV. OF OIL, GAS & MINING

J. Galan Williams, P. E.

Vice President

Project Manager Utah



BIT, WEI	GHT, SPE	ED AND H	YDRAUL	ICS REC	ORD											
BIT		Bit Typ							Total		T		Avg		Grade	
No	Size	Manufa	cturer	Serial	Number	J	ets	Depth In	Footage	Hrs	WOB_	Rpm	ROP	Tooth	Bearing	Gage
											l					
Bit Re	marks:						Cum. f	ROT. Hrs	PU	Wt	so	Wt	RO	T Wt	Tor	que
Pump															Pump Pres	
No.	Stroke	X Liner	Output	SPM	GPM	Pre	ssure	JV	Pb		W	Speed	SPM	Pump #1	Pump #2	Pump #3
	_		gps							DC	DP	1/4				
1												1/2				
2									Ī			3/4				
BHA																

BHA		 	 		
Length:	Description:	 		 	

	WT.	VIS	PV	YP	GELS	WL	HTHP		SLDS %		OIL %	SD %	MBT	pН	Pm	Pf/N
Т																
	l		<u> </u>	L		L			l		ļ			l	L	
			т—		Smpl	F.L.		· · · · · · ·				-				
	Chie	orides	Ca	1++	Temp	Temp	Shaker	Screens	Ho	urs M	lud Engine				lud Compa	ny
				***************************************			#1	#2	Desand	Cent.						
	<u> </u>				L	L	#3	#4	Desilt	Mud CI	Daily	Cost		Cı	mulative C	ost
							#3	#4	Desilt	Mud CI	Daily				mulative C	

MD	TVD	ANGLE	Direction	linates	\	/S	DL	CLOSURE
							<u></u>	<u> </u>
OPERATIONS SU	MMARY							

TIME		Time	Boats:	Supply Boat Name:			Status:		
	TO HOU	JR Code		Crew Boat Name:			Status:		
0600 07	730 1.5	5	Moving off Cact	us Rose #2-1 location			Time Su		
0730 09	930 2.0	14	Rig traveling to	1-32. Road frozen.			Activity	Daily	Cum
0930 11	130 2.0	14	One anchor cou	ild not be found. WO anch	or setting truck.	1.	Mob/DeMob		
1130 14	100 2.5	5 14	RU on #1-32			2	Cement		
			SDFN. Operato	or of rig had court appointm	ent.	3	Circulate		
						4	Directional Work		
						5	Drilling		
					,,,	6	Drive Pipe		
						7	Fishing		
			 			8	OH Logging		
		 	 				Lost Circ.		
						1	D. Drill Cmt./LOT		
						1	1. N.U./ N.D.		
			·			1:	2. P.U./L.D. BHA		
							3. P.U./L.D. Pipe		
···							4. R/U; R/D	6.5	6.5
							5. Rig Repair		
							6. Run Casing		
							7. Service Rig		
		+					B. Sidetrack Op.		
			 				9. Stuck Pipe		
							0. Survey		
							1. Trips		
			-				2. Tst. BOPs		
							3. UR/HO		
							4. W.O.W.		
							5. Wash & Ream		
		· 					6. Well Control		
			- -				7. WOC	-	
							8. Other		
			-			 	Total	6.5	6.5
Total Hou	rs 8.						· Viui	0.0	0.0
Rig Downti			Usage	Bulk Material on Board		Previous C	ost		
Taily I	Daily	1 401		Cement:	SY	Daily Cost		959	

8.0				
Fuel Usage	Bulk Material on Board		Previous Cost	
ily Gals	Cement:	SX	Daily Cost	\$6,959
m. Gals		5X	Cum. Cost	\$6,959
i	Fuel Usage ly Gals	Fuel Usage Bulk Material on Board ly Gals Cement:	Fuel Usage Bulk Material on Board ly Gals Cement: sx	Fuel Usage Bulk Material on Board Previous Cost ly Gals Cement: sx Daily Cost



MSC Exploration
Daily Completion Report

		k, Lease and Well Nate MSC Solaris #1-		<u>Contract Rio</u> Leed Energy #692	DOL 2	DES	_	Location 2005	Completion Date	Report Date Jan 9, 2005
MD 4,390	TVD 4,390	Footage PBTD	AFE No.	AFE Amount \$15,000	Auth, TD.	4,400'	Compa	ny Repres	entative Norm Woods	
	•	Present Operati	_	Rig Phone: Rig Fax:	25	54-241-53	17	Toolpushe A	er Ilen Cermack	

Current Weath	DONR Visit	NPDES	People on Loc.:	Last BOP Test Date	RIG ELEVATIONS	
Wind:	Yes No	LC50 Sample Date	Operator		RKB 11 ft	l
Seas:	Problem? Yes		Contractor		Water Depth ft	
Sky:		Pass? Yes No	Service		RKB-CHF ft	i

CASING RECORD

Casing String	OD	Wt.	Grade	Conn.	Jts. Run	Setting	Depth	Line	г Тор	MW when	i	LOT	
						MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff?
Conductor	12-3/4"		LP	W	1	20'							
Surface	8 5/8"	24	K55	STC	12	470'				8.6			
Production	5 1/2"	15.5	J55	LTC		4,630'				9.2			
			<u> </u>										
			<u> </u>										
			 										Ì

BIT		Bit Typ	e and						Total			1	Avg		Grade	•
No	Size	Manufa	cturer	Serial I	Number	J	lets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
Bit Re	marks:					i	Cum. F	ROT, Hrs	PU	Wt	sc) Wt	RO	T Wt	Tor	que
									i							
Pump			1									I			Pump Pres	
No.	Stroke	X Liner	Output	SPM	GPM	Pre	ssure	JV	Pb	/	٩V	Speed	SPM	Pump #1	Pump #2	Pump #3
1			gps							DC	DP	1/4		T		
1	Ī							T				1/2				
											1	3/4				

вна

Length:	Description:

MUD DATA

	WT.	VIS	PV	ΥP	GELS	WL	HTHP	CAKE	SLDS %		OIL %	SD %	MBT	pН	Pm	Pf/Mf
PIT	T .															
	<u> </u>		L					L	l		<u> </u>	l			L	
	1				Smpl	F.L.			T							
		orides	Ca		Temp	Temp		Screens	Ho		ud Engine				lud Compa	
PIT	T						#1	#2	Desand	Cent.						
	J						#3	#4	Desitt	Mud CI	Daily	Cost		Ci	mulative C	ost
l							#3		Desir	wide Of						

DIRECTIONAL SURVEYS

MD	NO TIO MICIE		Direction	vs	DL	CLOSURE	

OPERATIONS SUMMARY

TIN	ΛE			Boats:	Supply Boat Name:			Status:		
FROM	TO	HOUR	Code		Crew Boat Name:			Status:		
0600	0730	1.5	28	WO Crew			-	Time Su		
0730	0800	0.5	28	Start rig. LD ho	rses head. RU hot oiler on ca	sing.		Activity	Daily	Cu
0800	0900	1.0	28	Pumped 50 bbl	Is water down casing @ 220 c	leg.		1. Mob/DeMob		
0900	1400	5.0	21	Pulled w/ 7/8" (ods and pump. Laying down	rods. Total of 164 - 7	7/8" rods	2. Cement		
				and 2 - 4' subs	. 2.5 * 20' pump (THD) & 1 1/4	1" * 20' polish rod		3. Circulate		
				and stuffing bo	x. 4100' of rods.			 Directional Work 		
1400	1500	1.0	28	Nipple up BOP	and Washington stripping he	ad.		5. Drilling		
1500	1645	1.8	21	Worked on tub	ing to pull. Worked tubing to	unset anchor catcher	. Would	6. Drive Pipe		
				not come loose				7. Fishing		
1645	1700	0.3	28	SWI SDFN				8. OH Logging		
								9. Lost Circ.		
				SICP - 0 psi				10. Drill Cmt./LOT		
				SITP - 0 psi				11. N.U./ N.D.		
				<u> </u>				12. P.U./L.D. BHA		
								13. P.U./L.D. Pipe		
								14. R/U; R/D		6
								15. Rig Repair		
								16. Run Casing		
								17. Service Rig		
			1					18. Sidetrack Op.		
			1					19. Stuck Pipe		Г
			l					20. Survey		
								21. Trips	6.75	6.
								22. Tst. BOPs		
								23. UR/HO		
								24. W.O.W.		
			1					25. Wash & Ream		
			1					26. Well Control		Ť –
		ł	 					27. WOC		1
								28. Other	4.25	4.
								Total	11	17
Total	Hours	11.0	 	L						
	wntime		Fuel	Isage	Bulk Material on Board		Previous		959	
Daily		Daily		Gals	Cement:	\$x	Daily Co		349	
Cum.		Cum.		Gals	Barite:	SX	Cum. Co	st \$13	,308	



MSC Exploration Daily Completion Report

	PELAI	ces		a, 00p			, p					
	Bloc	k, Lease and Well N	lo.	Contract Rig	DOL	DFS	Date on L	ocation	Completion Date	Report Date		
	- St	ate MSC Solaris #1-	32	Leed #692	3		1/7/20	005		Jan 10, 2005		
MD	TVD	Footage	AFE No.	AFE Amount	Auth, TD,	Auth, TD. Company Representative						
4,390	4,390	PBTD		\$15,000		4,400'	- 1		Norm Woods			
		Present Operati	on	Rig Phone:	2	254-241-5317			er.	-		
	Pi	rep to pull packer an	d tubina	Rio Fax:				A	llen Cermack			

Current Weather	DONR Visit	NPDES	People on Loc.:	Last BOP Test Date	RIG ELE\	
Wind:	Yes 🗸 No	LC50 Sample Date	Operator		RKB	11 ft
Seas:	Problem? Yes		Contractor	Next BOP Test Date	Water Depth	ft
Sky:	□ No	Pass? Yes No	Service		RKB-CHF	ft _

CASING RECORD

Casing String	OD	Wt.	Grade	Conn.	Jts. Run	Setting	Depth	Line	Тор	MW when		LOT	
						MD	TVD	MD	TVD	Run	Pres	EMW	Leakoff?
Conductor	12-3/4"		LP	W	1	20'							
Surface	8 5/8"	24	K55	STC	12	470'				8.6			
Production	5 1/2"	15.5	J55	LTC		4,630'				9.2			
						<u> </u>							
								<u> </u>					
BIT, WEIGHT, SPEED AND	HYDRAUL	ICS REC	ORD										

BIT		Bit Typ	e and			T		ľ	Total			1	Avg		Grade	
No	Size	Manufa		Serial i	Number		ets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
								J			L					
Bit Re	marks:						Cum. F	ROT. Hrs	PU	Wt	SC	Wt	RO	r Wt	Тог	que
Pump														Slow	Pump Pres	sures
No.	Stroke	X Liner	Output	SPM	GPM	Pre	ssure	JV	Pb	P.	·V	Speed	SPM	Pump #1	Pump #2	Pump #3
			gps					l		DC	DP	1/4				
1								T"				1/2				
2												3/4				

вна

Length:	Description:	

MUD DATA

	WT.	VIS	PV	ΥP	GELS	WL	HTHP	CAKE	SLDS %		OIL %	SD %	MBT	рН	Pm	Pf/Mf
PIT																
			<u> </u>	L	l	L		<u> </u>	·					L		<u> </u>
	1		T		Smpl	F.L.								Γ		
	Chic	orides		1++	Temp	Temp	Shaker	Screens	Ho		lud Engine				lud Compa	ny
2 ! T							#1	#2	Desand							
	1										<u></u>				100 - 6	
							#3	#4	Desilt	Mud CI	Daily	Cost		Cu	mulative C	ost
									İ							

DIRECTIONAL SURVEYS

MD	TVD	ANGLE	Direction	Coordinates	VS	DL	CLOSURE
							a construction of the cons

OPERATIONS SUMMARY

TIP	ME			Boats:	Supply Boat Name:			Status:		
FROM	TO	HOUR	Code		Crew Boat Name:			Status:		
0600	0600			Shut down for S	iunday.			Time Su		
								Activity	Daily	Cum.
								1. Mob/DeMob		
								2. Cement		
			1					3. Circulate		
							***************************************	4. Directional Work		
								5. Drilling		
	i —							6. Drive Pipe		
								7. Fishing		
	-		-					8. OH Logging		
								9. Lost Circ.		
								10. Drill Cmt./LOT		
								11. N.U./ N.D.		
	l							12. P.U./L.D. BHA		
	 -					*****		13. P.U./L.D. Pipe		
								14. R/U; R/D		6.5
								15. Rig Repair		
	ļ		1					16. Run Casing		
								17. Service Rig		
								18, Sidetrack Op.		
								19. Stuck Pipe		
			<u> </u>					20. Survey		
			-					21. Trips		6.75
								22. Tst. BOPs		
			-					23. UR/HO		
								24. W.O.W.		\vdash
			-					25, Wash & Ream		
		-	 	-				26. Well Control		
			 					27. WOC		
-	<u> </u>			-				28. Other		4.25
	ļ.——		I					Total		17.5
Total	Hours			<u> </u>				I Otal		1/
	wntime	 	Fuel L	Isane	Bulk Material on Board		Previous	Cost \$13	.308	
Daily		Daily	T	Gals	Cement:	\$X	Daily Cos	\$2,	035	
Cum.	 	Cum.	1	Gals	Barite:	\$X	Cum. Cos	t \$15	343	



PPI
Technology
Services

Block, Lease and Well No.
- State MSC Solaris #1-32

TVD Foolage MSC Exploration
Daily Completion Report

Contract Rig POL DES Date on Lot 1/7/200

AFE Amount Auth. TD. Company. Date on Location 1/7/2005 Company Repres Report Date Jan 11, 2005

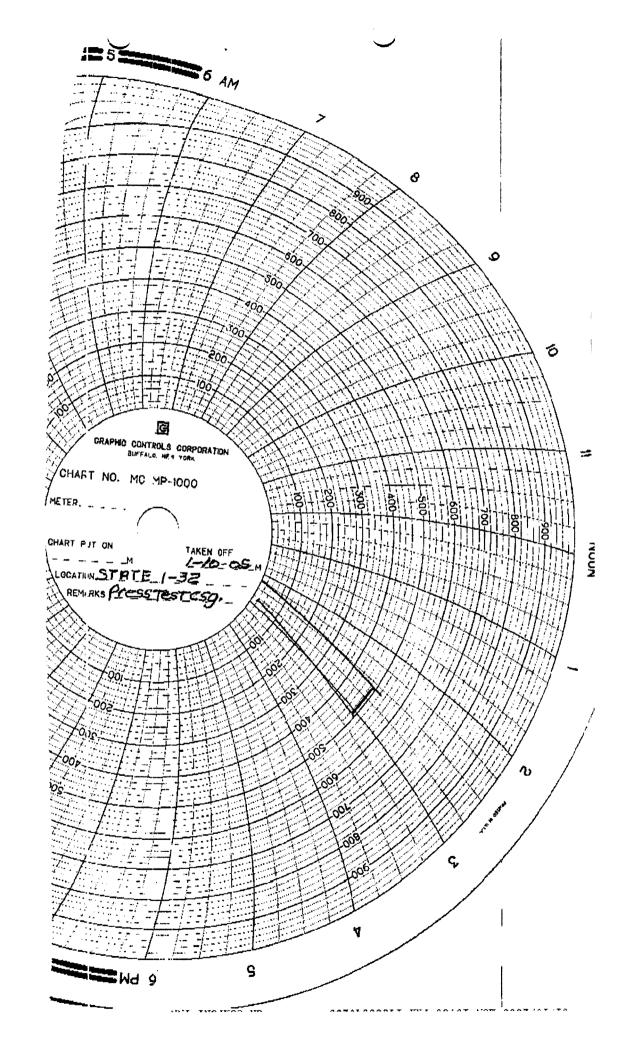
Processor September September September 234-24-5317	MD	IVD	Foots		AEE	No.	-	AFE Amo		Auth. TD.		Compa	ny Repres				
Current Wealth	4,390	4,390			l			\$15,000 Rig Phon		2	4,400' 54-241-53	17			5		
Work														_	*		
Wind	Current \	Weather	DONR	Visit		NPDES		People	on Loc.:	T	Last BOP	Test Date		· · · · · ·	RIG ELEV	/ATIONS	
Section Sect	Wind:		Yes	✓ No			Date	Ope	rator								ft
ASANO RECORD Casing Siring			Problem?		Pace?	☐ Yar	No				Next BOP	Test Date			n		ft
Mode TVD MO TVD NO Pres EMW TVD TVD NO TVD NO Pres EMW TVD TVD NO TVD NO NO NO NO NO NO NO N	ASING I										L			-			
	C	Casing Str	ing	OD	Wt.	Grade	Conn.	Jts.	Run						Pres		Leakoff?
No.	onducto	r								20'	1						
If, WEIGHT, SPEED AND HYDRAULCS RECORD		n						1	2						_		
Bit Size Bit Size Bit Size Bit Size Serial Number Jets Depth in Footige His WCS Rpm And Grade Grade And Grade												Ī					
Bit Size Bit Size Bit Size Bit Size Serial Number Jets Depth in Footige His WCS Rpm And Grade Grade And Grade																	
Bit Size Bit Size Bit Size Bit Size Serial Number Jets Depth in Footige His WCS Rpm And Grade Grade And Grade		=115 225			100 554	2000				İ							L
Cum ROT, Hs		GHT, SPE			JCS REC	CORD				Total		1	l				
Name	No	Size	Manufa	cturer	Serial	Number	J	Jets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
Name			-								ļ						
No. Stroke X Liner Option SPM GPM GPM Pressure JV Po GP AV Speed SPM Pump #1 Pump #	Bit Rei	marks:						Cum. F	ROT. Hrs	PL) Wt	so	Wt	RO	r Wit	Tor	rque
	ump '							L							Slow	Pump Pres	sures
The control of the	No.	Stroke	X Liner		SPM	GPM	Pre	essur e	JV	Pb				SPM	Pump#1	Pump#2	Pump #3
August Description: Descriptio	1			950									1/2				
Chlorides					L	L				<u></u>	<u> </u>	<u> </u>	3/4	L	L	1	1
NT. VIS			Descri	ption:				**									
NT																	
Chlorides	MUD DA	TA															
Chlorides			VIS	PV	YP	GELS	WL	HTHP	CAKE	SLDS %	LGS %	OIL%	SD %	MBT	ρН	Pm	Pf/Mf
Case Temp Temp Shaker Screens House Mud Engineer Mud Communication Mud	거T					+			 			-					
Case Temp				<u> </u>										· · · · · ·	т		
Status S		Chi	orides	C	a++			Shaker	Screens	н	ours N	Mud Engine	eer		N	Aud Compa	ny
DIRECTIONAL SURVEYS TUD	PIT							#1	#2	Desand	Cent.						
No		L				<u>. </u>	<u> </u>	#3	#4	Desilt	Mud CI	Daily	Cost	<u> </u>	Cı	umulative C	ost
MO			D)/F)/0								Ι						
TIME				ď	ΑN	IGLE	Dir	rection	Coor	dinates		VS	DL		CLOS	SURE	
TIME												ļ	-	<u> </u>	_		
FROM TO HOUR Code Crew Boat Name; Status: Time Summary Crew Status: Time Summary Crew Status: Time Summary Crew Status: Time Summary Crew Crew Status: Time Summary Crew	OPERAT	IONS SU	MMARY													***	
Time Summary Time Summary Time Summary Time Summary Time Summary Cativity Daily			HOUR		Boats:								-				
Release packer. NU BOPE. LD floor. POOH w/ 2 7/8" tubing. Tallying 1. Mob/DeMob out. Standing back tubing. 130 jts. Seating nipple (1.1") packer (7.34") 2. Cement 3 screens (25.19"). Total of 4237". 3. Circulate 4. Directional Work 1130 1330 2.0 28 TIH w/ tbg. And BHA 5. Drilling Total of 104 jts 2 7/8" ts, "s craper (2.78"), packer (5.05") (BHA - 8.43") 4. Directional Work 1130 1330 2.0 28 TIH w/ tbg. And BHA 5. Drilling Total of 104 jts 2 7/8" ts, "s craper (2.78"), packer (3.376".KB 6. Drive Pipe 7. Fishing 7. Pump 10 bbls down casing. Pressure tested to 500 psi for 30 min. OK 8. OH Logging 8. OH Logging 9. Lost Circ. 9. Pump 10 bbls down casing. Pressure tested to 500 psi for 30 min. OK 8. OH Logging 9. Lost Circ. 9. PoOH with tubing, and BHA standing back. 74 jts (2170") out 9. Lost Circ. 9. Drill Cmt./LOT				_	WO Cr	ew									Time Si		
out. Standing back tubing. 130 jts. Seating nipple (1.1') packer (7.34') 3 screens (25.19'). Total of 4237'. 3 screens (25.19'). Total of 4237'. 3 screens (25.19'). Total of 4237'. 3 screens (25.19'). Total of 4237'. 4 Directional Work 5 Drilling 1130 1330 2.0 28 TiH w/ tbg. And BHA 5. Drilling 1330 1400 0.5 28 Adler hotoil truck no location w/ water truck. RU Hotoil truck to casing. 7. Fishing. Pump 10 bibls down casing. Pressure tested to 500 psi for 30 min. OK 9. OH Logging. 1400 1430 0.5 28 RD Hot oiler. FL @ 2700' before pumping fluid. 9. Lost Circ. 1430 1545 1.3 21 POOH with tubing, and BHA standing back. 74 jts (2170') out 10. Drill Cmt/L/DT 15. BHA 11. N.U./ N.D. 12. P.U./L. D. BHA 13. PU./L. D. BHA 13. PU./L. D. BHA 13. Pi. Ju./L. D. Pipe 134 jts total 134 jts total 15 jts bent 15 jts bent 15 jts bent 15 jts bent 15 jts bent 15 jts bent 15 jts bent 15 jts bent 15 jts bent 18. Siderrack Op. 13 jts white band ordered 13 new collars. Total of 106 jts of good tubing. 3340' total 21. Trips 5.25 (2.8 kpip has 77.40' of 2.7/8" tubing to deliver Wed. Total pipe 11079' 22. Tst. BOPs 15. Wash & Ream 26. Well Control 27. WOC 15 jts leont 10.0 all Vicentics 15. Rig Deptiment 15. Rig D	0730	0915	1.8	21								_				Daily	Cum.
1130																 	-
1130										ig inppie i	(1.17) pace	(0. (1.01)				<u> </u>	
Total of 104 jts 2 7/8" tbg. Total of 3371' KB. Set packer @ 3376' KB	0915		2.3	21						78'), packe	er (5.05') (BHA - 8.4	13')		nał Work	ļ	
1330	1130	1330	2.0	28				ha Tatal	of 22741	VD C-+-	acker 🙈 '	3376' KP			ine	 	
Pump 10 bbls down casing. Pressure tested to 500 psi for 30 min. OK B. OH Logging	1330	1400	0.5	28											iho		
1430					Pump	10 bbls c	lown ca	asing. Pre	ssure tes	sted to 50				8. OH Log		Ţ	
1545 1600 0.3 28 SWI SDFN 11. N.U./ N.D. 12. P.U./L.D. BHA 13. P.U./L.D. BHA 13. P.U./L.D. Pipe Location 1-35 Tubing from Solaris State 21-19 #32-16D was inspected. 14. R/U; R/D 134 jts total 15. Rig Repair 15. Rig Repair 16. Run Casing 15. jts bent 17. Service Rig 12. jts. Bad threads 18. Sidetrack Op. 13. jts bad collars 19. Stuck Pipe 93. jts white band 20. Survey											(0470) -						ļ
12, P.U./L.D. BHA 13, P.U./L.D. Pipe 14, R/J; R/D 134 jts total 15, Rig Repair 15, Rig Repair 15, Rig Repair 15, Rig Repair 16, Run Casing 17, Service Rig 17, Service Rig 12 jts, Bad threads 18, Sidetrack Op. 13 jts bad collars 19, Stuck Pipe 93 jts white band 20, Survey 20, Survey 21, Trips 5, 25 25, Rig Pipe has 7740' of 2 7/8" tubing to deliver Wed. Total pipe 11079' 22, Tst. BOPs 23, UR/HO 24, W.O.W. 25, Wash & Ream 26, Well Control 27, WOC 27, WOC 28, Other 4,75 Total 10, Total Hours 10,0 Rig Downtime Fuel Usage Bulk Material on Board Previous Cost \$15,343 20,000 20, 20, 20, 20, 20, 20, 20, 20, 20, 20,							ing, and	a BHA Sta	anumg pa	ick. /4 jts	(21/0)0	rul					
Location 1-35 Tubing from Solaris State 21-19 #32-16D was inspected. 14. R/U; R/D 134 jts total 15. Rig Repair 15. Rig Repair 15. Rig Repair 16. Run Casing 15 jts bent 17. Service Rig 12 jts. Bad threads 18. Sidetrack Op. 13 jts bad collars 19. Stuck Pipe 93 jts white band ordered 13 new collars. Total of 106 jts of good tubing. 3340' total 21. Trips 5.25 C&R pipe has 7740' of 2 7/8" tubing to deliver Wed. Total pipe 11079' 22. Tst. BOPs to be on location. 24. W.O.W. 25. Wash & Ream 26. Well Control 27. WOC 27. WOC 28. Other 4.75 Total 10. Total Hours 10.0			J											12. P.U./L	.D. BHA		
134 jis total 15. Rig Repair 2 jits no drift 16. Run Casing 17. Service Rig 19. Stuck Pipe 1		<u></u>	1	<u> </u>	Į.		T		lade Ct	- 24 40 77	22 400	no inco-	and			 	6.5
2 jts no drift				1			fubing	rrom So	iaris Stat	9 21-19 #3	32-16D W	as inspec				 	0.5
15 jts bent 17. Service Rig 17. Service Rig 18. Sidefrack Op. 19. Stuck Pipe 19														16. Run C	asing		
13 jts bad collars 19. Stuck Pipe 33 jts white band 20. Survey 20. Survey 20. Survey 21. Trips 5.25 25. Each Pipe 23. UR/HO 24. W.O.W. 25. Wash & Ream 26. Well Control 27. WOC 27. WOC 28. Other 4.75 28. Other 4.75 27. Wolf 29. Other 4.75 29. Other					15 jts t	pent											ļ <u> </u>
93 jts white band 20. Survey			ļ	<u> </u>												-	
Ordered 13 new collars. Total of 106 jts of good tubing. 3340' total 21. Trips 5.25		-		ļ													<u> </u>
to be on location. 23. UR/HO			1		ordere	d 13 nev	collars							21. Trips		5.25	12
24. W.O.W. 25. Wash & Ream 28. Well Control 27. WOC 28. Other 4.75				 				f 2 7/8" tu	bing to d	eliver We	d. Total p	ipe 11079	3'			 	
25. Wash & Ream				1	to be o	ii iocatio	ut.					***				<u> </u>	
27. WOC 28. Other 4.75 4.75 10.0 10.0			<u> </u>	<u> </u>										25. Wash	& Ream		
28. Other 4.75 Total 10				ļ	ļ										Control	-	
Total Hours 10.0 Rig Downtime Fuel Usage Bulk Material on Board Previous Cost \$15,343 Daily Daily Gals Cement: sx Daily Cost \$5,885		<u> </u>		-	 											4.75	9
Rig Downtime Fuel Usage Bulk Material on Board Previous Cost \$15,343 Daily Daily Gals Cement: sx Daily Cost \$5,885		<u> </u>	<u></u>	<u>t </u>													27.5
Daily Daily Gals Cement: sx Daily Cost \$5,885			10.0	Eval	leage		Inch M	laterial o-	Board				Previous	s Cost	\$11	5.343	
		owntime_	Daily	rueit	-saye		Cemer	nt:	Donu				Daily Co	st	\$5	,685	
						Gals	Barite:				SX		Cum. C	ost	\$2 ⁻	1,028	



MSC Exploration Daily Completion Report

	Serv	ices		any comp			7 P O .	•		
	Blo	ck, Lease and Well N	10.	Contract Rig	DOL	DFS	Date on	Location	Completion Date	Report Date
	- S	tate MSC Solaris #1-	-32	Leed Energy #692	5		1/7/2	2005		Jan 12, 2005
MD	TVD	Footage	AFE No.	AFE Amount	Auth, TD,		Compar	ny Repres	entative	
4,39	4,390	PBTD	!	\$15,000		3,400'			Norm Woods	
		Present Operati	ion	Rig Phone:	2	54-241-53	17	Toolpush	er er	
1	Rig	down & Move Leed E	nergy #692	Rig Fax:				-	illen Cermack	

MD	TVD	Foot		AFF	No.		AFE Amou	unt	Auth, TD.		Compa	ny Repres	entative			
4,390	4,390	PBT		L		L	\$15,000			3,400'			Norm Woods	<u>. </u>		
		Preser	t Operati			-	Rig Phon		2	54-241-53	17	Toolpush	_			
	Rigo	lown & Mov	e Leed E	nergy #6	92		Rig Fax:					/	Allen Cermac	k		
C	18/o-44	2011	\/icla		NDDES		Boo-1	on Lar		I act 500	Tort D-1			BIC ELE	/ATION'S	
Wind:	Weather	DONR Yes	Visit ✓ No		NPDES Sample	Date	People	on Loc.: rator	5 1	Last BUP	Test Date		RKB	RIG ELEV		ft
Seas:		Problem?	Yes	2000	- XMIIINIO	A115		ractor	4	Next BOP	Test Date		Water Depti	h	.,	ft
Sky:				Pass?	☐ Yes	☐ No		vice					RKB-CHF			ft
CASING	RECORD															
	Casing Str	ing	OD	Wt.	Grade	Conn.	Jts.	Run		Depth	Line		MW when	Dr	LOT	Lagrage
Conduct	NF.		12-3/4"	ļ	LP	w		1	MD 20'	TVD	MD	TVD	Run	Pres	EMW	Leakoff?
Conducto Surface			8 5/8"	24	K55	STC		2	470'		t		8.6			
Productio	n		5 1/2"	15.5	J55	LTC			4,630'				9.2			
										_					ļ	
				ļ		-										
BIT. WEI	GHT. SPE	ED AND H	YDRAUL	ICS REC	ORD	L		·					1	L	ı	
BIT		Bit Typ	e and						Total				Avg		Grade	
No	Size	Manufa	cturer	Serial	Number		lets	Depth In	Footage	Hrs	WOB	Rpm	ROP	Tooth	Bearing	Gage
Bit Re	marks:	L		L		<u> </u>	Cum. R	OT. Hrs	PL	Wt	so	Wt	ROT	Wt	Tor	que
Dictio	THURS.									**						
Pump			·											Slow	Pump Pres	sures
No.	Stroke	X Liner	Output	SPM	GPM	Pre	essure	٦V	Pb	DC	V DP	Speed 1/4	SPM	rump #1	Pump #2	rump#3
A			gps							1 50	UP	1/4		 		
2	+		+								t	3/4	—	 		
BHA	L				<u> </u>											
Length:		Descri	ption:													
MUD DA	_		1		L 051 -	1.00	Dec.	C	61.56.5	1000	0"."	6D =	A4DT	~~	D.m.	Pf/Mf
OIT	WT.	VIS	PV	YP	GELS	WL	HTHP	CAKE	SLUS %	LGS %	OIL %	SD %	MBT	pН	Pm	r:/MI
PIT			-	ļ							 				l	
	1	L	L	L	L	L	I			<u></u>		1		L		·
	i		T		Smpl	F.L.	1									
	Chl	orides	Ca	3++	Temp	Temp		Screens			lud Engine	er	L	<u> </u>	lud Compa	ny
PIT							#1	#2	Desand	Cent.	4					
	l		L		L	L	#3	#4	Desilt	Mud Cl	Dailu	Cost	1	Ci	ımulative C	ost
							#3	, ,,,,	Desill	I WILL CI		2000	 	<u> </u>		/
DIRECTI	ONAL SU															
	/ID	TV	D	AN	GLE	Dir	ection	Coord	linates	\	/S	DL		CLOS	URE	
		1			-							_	CLOSURE			
						-		<u> </u>								
OPERAT	IONS SIT	MMARY														
	TIONS SU	MMARY	Time	Boats:		ļ	Supply B	oat Name:					Status:			
FROM	ME TO	MMARY	Time Code	Boats:				oat Name: oat Name:					Status: Status:			
FROM 0600	ME TO 0730	HOUR	Code 28	WO Cre			Crew B	oat Name:				-	Status:	Time Su		
FROM 0600 0730	TO 0730 1015	1.5 2.8	28 28	WO Cre	ew. Two		Crew B	oat Name:					Status: Acti	vity	Daily	Cum.
FROM 0600 0730 1015	TO 0730 1015 1100	HOUR	Code 28	WO Cre WO Cre TOOH	ew. Two w/ tubing	scrap	Crew B howed up er and pa	oat Name: o to work. cker. Sta		k tubing.	LD packe	-	Status: Acti 1. Mob/De	vity Mob		Cum.
FROM 0600 0730	TO 0730 1015	1.5 2.8	28 28	WO Cre WO Cre TOOH	ew. Two w/ tubing	scrap	Crew B	oat Name: o to work. cker. Sta		k tubing.	LD packe	er	Status: Acti 1. Mob/De 2. Cement	vity Mob	Daily	7
TI FROM 0600 0730 1015 1100	ME TO 0730 1015 1100 1230	1.5 2.8 0.8	28 28 21	WO Cre WO Cre TOOH TIH with	ew. Two w/ tubing h 3" scre in well.	scrape ens, pa 4237' K	howed up er and pa acker and (B. Pack	o to work. cker. Sta 2 7/8" tu er is not s	bing.	k tubing.	LD packe	er .	Status: Acti 1. Mob/De 2. Cement 3. Circulate	Mob	Daily	7
TI FROM 0600 0730 1015 1100	ME TO 0730 1015 1100 1230 1330	1.5 2.8 0.8	28 28 21	WO Cre WO Cre TOOH TIH with 130 jts ND BO	ew. Two w/ tubing h 3" scre in well. PE and	scrape ens, pa 4237' K	howed up er and pa acker and	o to work. cker. Sta 2 7/8" tu er is not s	bing.	k tubing.	LD packe	er	Acti 1. Mob/De 2. Cement 3. Circulate 4. Direction	Mob	Daily	7
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21	WO Cre WO Cre TOOH TIH with 130 jts ND BO RD pull	ew. Two w/ tubing h 3" scre in well. PE and t ling unit.	g scrape eens, pa 4237' K flange u	howed up er and pa acker and (B. Pack	o to work. cker. Sta 2 7/8" tu er is not s	bing.	k tubing.	LD packe	er	Acti 1. Mob/De 2. Cement 3. Circulate 4. Direction 5. Drilling	wity Mob e nal Work	Daily	7
TI FROM 0600 0730 1015 1100	ME TO 0730 1015 1100 1230 1330	1.5 2.8 0.8 1.5	28 28 21 21 11	WO Cre WO Cre TOOH TIH with 130 jts ND BO RD pull	ew. Two w/ tubing h 3" scre in well. PE and	g scrape eens, pa 4237' K flange u	howed up er and pa acker and (B. Pack	o to work. cker. Sta 2 7/8" tu er is not s	bing.	k tubing.	LD packe	er	Acti 1. Mob/De 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pi	wity Mob e nal Work	Daily	7
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cre WO Cre TOOH TIH with 130 jts ND BO RD pull	ew. Two w/ tubing h 3" scre in well. PE and t ling unit. d up unit	g scrape eens, pa 4237' K flange u	howed up er and pa acker and (B. Pack	o to work. cker. Sta 2 7/8" tu er is not s	bing.	k tubing.	LD packe	er	Acti 1. Mob/De 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pi 7. Fishing	Mob e nal Work	Daily	7
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cre WO Cre TOOH TIH with 130 jts ND BO RD pull Chaine SWI S	ew. Two w/ tubing h 3" scre in well. PE and t ling unit. d up unit	g scrape eens, pa 4237' K flange u	howed up er and pa acker and (B. Pack up wellhe	oat Name: o to work. cker. Sta l 2 7/8" tu er is not s	bing. et.				Acti 1. Mob/De 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pi 7. Fishing 8. OH Loge	Mob e nal Work pe	Daily	7
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cre WO Cre TOOH TIH with 130 jts ND BO RD pull Chaine SWI SI	ew. Two w/ tubing h 3" scre in well. PE and ling unit. d up unit DFN	g scrape eens, pa 4237' K flange u t.	howed uper and pa acker and (B. Pack) up wellhe	oat Name: o to work. cker. Sta 12 7/8" tu er is not s ad	p to #35-	1. Truck	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pi 7. Fishing 8. OH Logs 9. Lost Circulate	wity Mob e nal Work pe ging c.	Daily	7
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cri WO Cri TOOH TIH with 130 jts ND BO RD pull Chaine SWI Si Will mo	ew. Two w/ tubing h 3" scre in well. PE and i ling unit. d up unit DFN rain all d	g scrape eens, pa 4237' K flange u t.	howed uper and pa acker and (B. Pack) up wellhe	oat Name: o to work. cker. Sta 12 7/8" tu er is not s ad	p to #35-		stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pi 7. Fishing 8. OH Log 9. Lost Cin 10. Drill Cr	wity Mob e nal Work pe ging c. mt./LOT	Daily 1	1
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cri WO Cri TOOH TIH with 130 jts ND BO RD pull Chaine SWI Si Will mo	ew. Two w/ tubing h 3" scre in well. PE and ling unit. d up unit DFN	g scrape eens, pa 4237' K flange u t.	howed uper and pa acker and (B. Pack) up wellhe	oat Name: o to work. cker. Sta 12 7/8" tu er is not s ad	p to #35-	1. Truck	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulatu 4. Direction 5. Drilling 6. OH Log 9. Lost Cin 10. Drill Cr 11. N.U./ N	wity Mob e nal Work pe ging c. mt./LOT	Daily	7
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cri WO Cri TOOH TIH with 130 jts ND BO RD pull Chaine SWI Si Will mo	ew. Two w/ tubing h 3" scre in well. PE and i ling unit. d up unit DFN rain all d	g scrape eens, pa 4237' K flange u t.	howed uper and pa acker and (B. Pack) up wellhe	oat Name: o to work. cker. Sta 12 7/8" tu er is not s ad	p to #35-	1. Truck	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulati 4. Direction 5. Drilling 6. Drive Pi 7. Fishing 8. OH Log: 10. Drill Critical Crit	wity Mob e mal Work pe ging c. nt/LOT J.D. D. BHA	Daily 1	1
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cri WO Cri TOOH TIH with 130 jts ND BO RD pull Chaine SWI Si Will mo	ew. Two w/ tubing h 3" scre in well. PE and i ling unit. d up unit DFN rain all d	g scrape eens, pa 4237' K flange u t.	howed uper and pa acker and (B. Pack) up wellhe	oat Name: o to work. cker. Sta 12 7/8" tu er is not s ad	p to #35-	1. Truck	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulatt 4. Direction 5. Drilling 6. Drive Pi 7. Fishing 9. Lost Cin 10. Drill Cr 11. Drill Cr 12. P.U./L. 13. P.U./L.	wity Mob e nal Work pe ging c. nt./LOT I.D. D. BHA D. Pipe	Daily 1 1 1 1	1
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cri WO Cri TOOH TIH with 130 jts ND BO RD pull Chaine SWI Si Will mo	ew. Two w/ tubing h 3" scre in well. PE and i ling unit. d up unit DFN rain all d	g scrape eens, pa 4237' K flange u t.	howed uper and pa acker and (B. Pack) up wellhe	oat Name: o to work. cker. Sta 12 7/8" tu er is not s ad	p to #35-	1. Truck	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulati 4. Direction 5. Orilling 6. Drive Pi 7. Fishing 8. OH Logi 9. Lost Cin 10. Drill Cr 11. N.U./N 12. P.U./L 13. P.U./L 14. R/U; R	wity Mob e nal Work pe ging c. nt./LOT I.D. D. BHA D. Pipe	Daily 1	1
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cri WO Cri TOOH TIH with 130 jts ND BO RD pull Chaine SWI Si Will mo	ew. Two w/ tubing h 3" scre in well. PE and i ling unit. d up unit DFN rain all d	g scrape eens, pa 4237' K flange u t.	howed uper and pa acker and (B. Pack) up wellhe	oat Name: o to work. cker. Sta 12 7/8" tu er is not s ad	p to #35-	1. Truck	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulate 4. Direction 5. Drilling 6. Drive Pi 7. Fishing 8. OH Log 9. Lost Cin 10. Drill Cr 11. N.U./N 12. P.U./L 14. R/U; R 15. Rig Re	wity Mob e e nal Work pe ging c. nt./LOT N.D. D. BHA D. Pipe	Daily 1 1 1 1	1
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cri WO Cri TOOH TIH with 130 jts ND BO RD pull Chaine SWI Si Will mo	ew. Two w/ tubing h 3" scre in well. PE and i ling unit. d up unit DFN rain all d	g scrape eens, pa 4237' K flange u t.	howed uper and pa acker and (B. Pack) up wellhe	oat Name: o to work. cker. Sta 12 7/8" tu er is not s ad	p to #35-	1. Truck	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulatt 4. Direction 5. Drilling 6. Drive 7. Fishing 8. OH Logg 9. Lost Cin 10. Drill Cr 11. N.U.I. N. 12. P.U.J. 13. P.U.J. 15. Rig Re 16. Run C.	wity Mob e mal Work pe ging c. mt./LOT I.D. D. BHA D. Pipe ppair assing	Daily 1 1 1 1	1
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cri WO Cri TOOH TIH with 130 jts ND BO RD pull Chaine SWI Si Will mo	ew. Two w/ tubing h 3" scre in well. PE and i ling unit. d up unit DFN rain all d	g scrape eens, pa 4237' K flange u t.	howed uper and pa acker and (B. Pack) up wellhe	oat Name: o to work. cker. Sta 12 7/8" tu er is not s ad	p to #35-	1. Truck	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulatt 4. Direlling 6. Drive Pi 7. Fishing 8. OH Log; 9. Lost Cir 10. Drill Cr 11. N.U./N. 12. P.U./L. 14. R/U; R 15. Rig Re 16. Run C. 17. Service	wity Mob e nal Work pe ging c. mt/LOT I.D. D. BHA D. Pipe //D pair pasing e Rig	Daily 1 1 1 1	1
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cri WO Cri TOOH TIH with 130 jts ND BO RD pull Chaine SWI Si Will mo	ew. Two w/ tubing h 3" scre in well. PE and i ling unit. d up unit DFN rain all d	g scrape eens, pa 4237' K flange u t.	howed uper and pa acker and cacker and (B. Pack) up wellhe	oat Name: o to work. cker. Sta 12 7/8" tu er is not s ad	p to #35-	1. Truck	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulatt 4. Direction 5. Drilling 6. OH Log 9. Lost Cin 10. Drill Cr 11. R/U, R 15. Rig Re 16. Run Cd 17. Servico 18. Sidetra 18. Sidetra 19. Lost 11. Servico 18. Sidetra 19. Lost 1	wity Mob e nal Work pe ging c. mt/LOT I.D. D. BHA D. Pipe /D ppair assing e Rig ack Op.	Daily 1 1 1 1	1
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cri WO Cri TOOH TIH with 130 jts ND BO RD pull Chaine SWI Si Will mo	ew. Two w/ tubing h 3" scre in well. PE and i ling unit. d up unit DFN rain all d	g scrape eens, pa 4237' K flange u t.	howed uper and pa acker and cacker and (B. Pack) up wellhe	oat Name: o to work. cker. Sta 12 7/8" tu er is not s ad	p to #35-	1. Truck	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulati 4. Direction 5. Orilling 6. Drive Pi 7. Fishing 8. OH Logi 9. Lost Cin 10. Drill Cr 11. N.U./ N 12. P.U/L. 13. P.U./L. 14. R/U; R 15. Rig Re 16. Run Ci 17. Service 18. Sidetra 19. Stuck	wity Mob e mal Work pe ging c. mt/LOT I.D. D. BHA D. Pipe //D pair asing as Rig ack Op. Pipe	Daily 1 1 1 1	1
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cri WO Cri TOOH TIH with 130 jts ND BO RD pull Chaine SWI Si Will mo	ew. Two w/ tubing h 3" scre in well. PE and i ling unit. d up unit DFN rain all d	g scrape eens, pa 4237' K flange u t.	howed uper and pa acker and cacker and (B. Pack) up wellhe	oat Name: o to work. cker. Sta 12 7/8" tu er is not s ad	p to #35-	1. Truck	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulati 4. Direction 5. Drilling 6. Drive Pi 7. Fishing 8. OH Logi 9. Lost Cin 10. Drill Cr 11. N.U./N 13. P.U./L 14. R/U; R 15. Rig Re 16. Run C 17. Servicul 18. Sidders 19. Stuck L 20. Survey	wity Mob e mal Work pe ging c. mt/LOT I.D. D. BHA D. Pipe //D pair asing as Rig ack Op. Pipe	Daily 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 8.5
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cri WO Cri TOOH TIH with 130 jts ND BO RD pull Chaine SWI Si Will mo	ew. Two w/ tubing h 3" scre in well. PE and i ling unit. d up unit DFN rain all d	g scrape eens, pa 4237' K flange u t.	howed uper and pa acker and cacker and (B. Pack) up wellhe	oat Name: o to work. cker. Sta 12 7/8" tu er is not s ad	p to #35-	1. Truck	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulatt 4. Direction 5. Drilling 6. Drive Pi 7. Fishing 8. OH Log 9. Lost Cin 10. Drill Cr 11. N.U.J. 12. P.U.J. 13. P.U.J. 14. R/U; R 15. Rig Re 16. Run C. 17. Service 18. Sidetr 19. Stuck 10. Survey 21. Trips	wity Mob e mal Work pe ging c. mt./LOT I.D. D. BHA D. Pipe //D ppair assing e Rig ack Op. Pipe	Daily 1 1 1 1	1
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cri WO Cri TOOH TIH with 130 jts ND BO RD pull Chaine SWI Si Will mo	ew. Two w/ tubing h 3" scre in well. PE and i ling unit. d up unit DFN rain all d	g scrape eens, pa 4237' K flange u t.	howed uper and pa acker and cacker and (B. Pack) up wellhe	oat Name: o to work. cker. Sta 12 7/8" tu er is not s ad	p to #35-	1. Truck	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulatt 4. Direction 5. Drilling 6. Orive Pi 7. Fishing 9. Lost Cir 10. Drill Cr 11. N.U./L 12. P.U./L 13. P.U./L 14. R/U; R 16. Run C. 17. Service 18. Sidetre 19. Stuck I 20. Survey 21. Trips 22. Tst. B0	wity Mob e mal Work pe c. nt./LOT N.D. D. BHA D. Pipe //D pair assing e Rig ack Op. Pipe //	Daily 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 8.5
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cri WO Cri TOOH TIH with 130 jts ND BO RD pull Chaine SWI Si Will mo	ew. Two w/ tubing h 3" scre in well. PE and i ling unit. d up unit DFN rain all d	g scrape eens, pa 4237' K flange u t.	howed uper and pa acker and (B. Pack) up wellhe	oat Name: o to work. cker. Sta 12 7/8" tu er is not s ad	p to #35-	1. Truck	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulatt 4. Direction 5. Drilling 6. Drive Pi 7. Fishing 9. Lost Cin 10. Drill Cr 11. R/U, R 15. Rig Re 16. Run C. 17. Servico 18. Sidetra 19. Stuck I 20. Survey 21. Trips 22. Tst. B 23. UR/HC	wity Mob e mal Work pe ging c. mt/LOT I.D. D. BHA D. Pipe //D pair assing as Rig ack Op. Pipe //	Daily 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 8.5
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cri WO Cri TOOH TIH with 130 jts ND BO RD pull Chaine SWI Si Will mo	ew. Two w/ tubing h 3" scre in well. PE and i ling unit. d up unit DFN rain all d	g scrape eens, pa 4237' K flange u t.	howed uper and pa acker and (B. Pack) up wellhe	oat Name: o to work. cker. Sta 12 7/8" tu er is not s ad	p to #35-	1. Truck	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulati 4. Direction 5. Orilling 6. Drive Pi 7. Fishing 8. OH Logi 9. Lost Cin 10. Drill Cr 11. N.U./ N 12. P.U./L 13. P.U./L 14. R/U; R 15. Rig Re 16. Run Ci 17. Service 19. Stuck I 20. Survey 21. Trips 22. Tst. BC 23. UR/HC 24. W.O.W	wity Mob e mal Work pe ging c. mt/LOT J.D. D. BHA D. Pipe //D pair asing as Rig ack Op. Pipe //	Daily 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 8.5
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cri WO Cri TOOH TIH with 130 jts ND BO RD pull Chaine SWI Si Will mo	ew. Two w/ tubing h 3" scre in well. PE and i ling unit. d up unit DFN rain all d	g scrape eens, pa 4237' K flange u t.	howed uper and pa acker and (B. Pack) up wellhe	oat Name: o to work. cker. Sta 12 7/8" tu er is not s ad	p to #35-	1. Truck	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulatt 4. Direction 5. Drilling 6. Drive Pi 7. Fishing 8. OH Logg 9. Lost Cin 11. NLO, Till 12. P.U./L. 13. P.U./L. 14. P.U./L. 15. Rig Re 16. Run Ci 17. Servici 18. Sidetre 19. Stuck 10. Survey 21. Trips 22. Tst. BC 24. W.O./V. 25. Wash	wity Mob e mal Work pe ging c. mt/LOT I.D. D. BHA D. Pipe reair asing e Rig ack Op. Pipe // // // // // // // // // // // // //	Daily 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 8.5
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cri WO Cri TOOH TIH with 130 jts ND BO RD pull Chaine SWI Si Will mo	ew. Two w/ tubing h 3" scre in well. PE and i ling unit. d up unit DFN rain all d	g scrape eens, pa 4237' K flange u t.	howed uper and pa acker and (B. Pack) up wellhe	oat Name: o to work. cker. Sta 12 7/8" tu er is not s ad	p to #35-	1. Truck	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulatt 4. Direction 5. Drilling 6. Drive Pi 7. Fishing 8. OH Log 9. Lost Cin 10. Drill Cr 11. N.U./I 12. P.U./L 13. P.U./L 14. R/U; R 16. Run C. 17. Service 18. Sidetr 19. Stuck I 20. Survey 21. Trips 22. Tst. B6 23. UR/HC 25. Wash. 26. Well C	wity Mob e mal Work pe ging c. mt/LOT I.D. D. BHA D. Pipe reair asing e Rig ack Op. Pipe // // // // // // // // // // // // //	Daily 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 8.5
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cri WO Cri TOOH TIH with 130 jts ND BO RD pull Chaine SWI Si Will mo	ew. Two w/ tubing h 3" scre in well. PE and i ling unit. d up unit DFN rain all d	g scrape eens, pa 4237' K flange u t.	howed uper and pa acker and (B. Pack) up wellhe	oat Name: o to work. cker. Sta 12 7/8" tu er is not s ad	p to #35-	1. Truck on freeze.	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulatt 4. Direlling 6. Drive Pi 7. Fishing 8. OH Log; 9. Lost Cin 10. Drill Cr 11. N.U./N 12. P.U./L. 13. P.U./L. 14. R/U; R 15. Rig Re 16. Run C. 17. Servici 18. Sidelta 19. Stuck I 20. Survey 21. Trips 22. Tst. BC 23. UR/HC 24. W.O.V. 25. Wesh 26. Well C 27. WOC	wity Mob e mal Work pe ging c. mt/LOT I.D. D. BHA D. Pipe reair asing e Rig ack Op. Pipe // // // // // // // // // // // // //	1 1 2 2 2.25	1 8.5
TI FROM 0600 0730 1015 1100 1230 1330	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WO Cri WO Cri TOOH TIH with 130 jts ND BO RD pull Chaine SWI Si Will mo	ew. Two w/ tubing h 3" scre in well. PE and i ling unit. d up unit DFN rain all d	g scrape eens, pa 4237' K flange u t.	howed uper and pa acker and cacker and (B. Pack) up wellhe	oat Name: o to work. cker. Sta 12 7/8" tu er is not s ad	p to #35-	1. Truck on freeze.	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulatt 4. Direction 5. Drilling 6. OH Log 9. Lost Cin 10. Drill Cr 11. R/U, R 15. Rig Re 16. Run Ci 17. Servici 18. Sidetra 19. Stuck I 20. Survey 21. Trips 22. Tst. Bc 23. UR/HC 24. W.O.W 25. Wash 26. Well C 27. WOC 28. Other	wity Mob e mal Work pe ging c. mt/LOT I.D. D. BHA D. Pipe reair asing e Rig ack Op. Pipe // // // // // // // // // // // // //	1 1 2 2 2.25 4.25	1 1 8.5 14.25
TI FROM 0600 0730 1015 1100 1230 1530	ME TO 0730 1015 1100 1230 1530 1630	HOUR 1.5 2.8 0.8 1.5 1.0 2.0 1.0	28 28 21 21 11 14	WO Cri WO Cri TOOH TIH with 130 jts ND BO RD pull Chaine SWI Si Will mo	ew. Two w/ tubing h 3" scre in well. PE and i ling unit. d up unit DFN rain all d	g scrape eens, pa 4237' K flange u t.	howed uper and pa acker and cacker and (B. Pack) up wellhe	oat Name: o to work. cker. Sta 12 7/8" tu er is not s ad	p to #35-	1. Truck on freeze.	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulatt 4. Direlling 6. Drive Pi 7. Fishing 8. OH Log; 9. Lost Cin 10. Drill Cr 11. N.U./N 12. P.U./L. 13. P.U./L. 14. R/U; R 15. Rig Re 16. Run C. 17. Servici 18. Sidelta 19. Stuck I 20. Survey 21. Trips 22. Tst. BC 23. UR/HC 24. W.O.V. 25. Wesh 26. Well C 27. WOC	wity Mob e mal Work pe ging c. mt/LOT I.D. D. BHA D. Pipe reair asing e Rig ack Op. Pipe // // // // // // // // // // // // //	1 1 2 2 2.25	1 8.5
Ti FROM 0600 0730 1015 1100 1230 1530 1530	ME TO 0730 1015 1100 1230 1330 1530	HOUR 1.5 2.8 0.8 1.5 1.0 2.0	28 28 21 21 11 14	WC Crit WO Crit TOOH TIH with 130 jts ND BO RD pull SWI SI Heavy Will mo on loca	ew. Two w/ tubing h 3" scre in well. PE and i ling unit. d up unit DFN rain all d	g scrappes g scrappes	howed uper and pa acker and cacker and (B. Pack) up wellhe	oat Name: to work. cker. Sta 2 7/8" tu er is not s ad and pum is momin	p to #35-	1. Truck on freeze.	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulatt 4. Direction 5. Drilling 6. Drive Pi 7. Fishing 8. OH Log; 9. Lost Cin 10. Drill Cr 11. NI.U./ N 12. P.U./L. 13. P.U./L. 14. R/U; R 15. Rig Re 16. Run C: 17. Service 18. Sidetra 19. Stuck I 20. Survey 21. Trips 22. Tst. BC 23. UR/HC 24. W.O.V 25. Wash 26. Well C 27. WOC 28. Other Total	vity Mob e mal Work pe ging c. mt/LOT I.D. D. BHA D. Pipe //D pair assing as Rig ack Op. Pipe // V. & Ream ontrol	1 1 2 2 2.25 4.25 10.5	1 1 8.5 14.25
TI FROM 0600 0730 1015 1100 1230 1530 Total Rig Do Daily	ME TO 0730 1015 1100 1230 1530 1630	HOUR 1.5 2.8 0.8 1.5 1.0 2.0 1.0	28 28 21 21 11 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1	WC Crit WO Crit TOOH TIH with 130 jts ND BO RD pull SWI SI Heavy Will mo on loca	ew. Two w/ tubing h 3" sore in well. PE and i d up uni DFN rain all d ve to en tition this	g scrappens, pg 4237 k flange t t t ay. De trance AM.	crew B. chowed up er and pa acker and che pack up wellhe. che pack diver tank of 35-1 th	oat Name: to work. cker. Sta 2 7/8" tu er is not s ad and pum is momin	p to #35-	1. Truck on freeze.	stuck in m	ud. bw	Acti 1. Mob/De 2. Cement 3. Circulatt 4. Direction 5. Drilling 6. Drive Pi 7. Fishing 8. OH Logg 9. Lost Cin 10. Drill Cr 11. NLV, 13. P.U.L. 13. P.U.L. 14. P.U.J. 15. Rig Re 16. Run C. 17. Servica 18. Sidetra 19. Stuck 20. Surve 21. Trips 22. Tst. BC 22. UR/HC 24. W.O.V. 25. Wash 26. Well C 27. WOC 28. Other Total	vity Mob e nal Work pe ging c. nt/LOT I.D. D. BHA D. Pipe //D pair asing e Rig ack Op. Pipe // COPs) & Ream ontrol	Daily 1 1 1 2 2 2.25 4.25 10.5 1.028 835	1 1 8.5 14.25
FROM 0600 0730 1015 1100 1230 1530 1530 1530 1530 1530 1530 1530 15	ME TO 0730 1015 1100 1230 1530 1630	HOUR 1.5 2.8 0.8 1.5 1.0 2.0 1.0	28 28 21 21 11 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1	WC Crit WO Crit TOOH TIH with 130 jts ND BO RD pull SWI SI Heavy Will mo on loca	ew. Two	g scrappiens, page 4237' k t. t. t. AM.	crew B. chowed up er and pa acker and che pack up wellhe. che pack diver tank of 35-1 th	oat Name: to work. cker. Sta 2 7/8" tu er is not s ad and pum is momin	p to #35-	1. Truck on freeze.	stuck in m	ud.	Acti 1. Mob/De 2. Cement 3. Circulatt 4. Direction 5. Drilling 6. Drive Pi 7. Fishing 8. OH Logg 9. Lost Cin 10. Drill Cr 11. NLV, 13. P.U.L. 13. P.U.L. 14. P.U.J. 15. Rig Re 16. Run C. 17. Servica 18. Sidetra 19. Stuck 20. Surve 21. Trips 22. Tst. BC 22. UR/HC 24. W.O.V. 25. Wash 26. Well C 27. WOC 28. Other Total	vity Mob e nal Work pe ging c. nt/LOT I.D. D. BHA D. Pipe //D pair asing e Rig ack Op. Pipe // COPs) & Ream ontrol	1 1 2 2 2.25 4.25 10.5	1 1 8.5 14.25



MSC EXPLORATION, L. P.

Prospect: State Solaris MSC #1-32 Sauers #30

Rig: Sauers #30 Location: Grand Co., UT

Proposed MD: Proposed TVD: Actual TD: 4,800' 4,800' 4,630'

Location: Surface:

Sec. 32, T21S, R19E

Target:

Primary Target Intervals

Logging	Targets	MD		Hole	Casing	Mud	Deviation	Cement
MWD / LWD	MD / TVD	TVD	Zar I IVA	Sizes	Strings	Density	BHST	<u> </u>
Set with Rathole Company				12-1/4"	8 5/8" 24.0 #/ft J-55 STC	AIR	Vertical	330 sxs Type II 2% CaCl2
Bridge Plugs	Porf	470' orations			-		 	
bridge ridgs	·	Orations				8.7		
	3,384'	3,392'					•	
	3,400	3,406'					:	
	3,408'	3,420'						
3,445'	1					Water Base		i
	3,488	3,544'					!	1
_	3,548'	3,612'			i	Non	İ	
•	3,620'	3,672'				Dispersed		1
	3,682'	3,704	2-7/8"			Mud		
	3,710	3,724'	6.5#				1	
	3,738'	3,792'	J55					
	3,798'	3,806'	8REUE					
3,813'								
	3,824'	3,832'		7 7/01				
	3,840	3,866'		7-7/8"				
	3,878'	3,882'						
	3,896'	3,906'	BOT					
	3,910'	3,922' 3,996'	PKR					
4.070	3,962	3,990	4237					
4,030'	4 4201	4,356'			5 1/2"			•
4,390'	4,432'	4,300	2-7/8" 6.5# J55 8REUE		15.50 #/ft			i
4,380	4.400'	4,432'			J-55			į
	4,400	4,432 4,528'			LTC			
	7,434	7,020	3					
		4,630'	% 1%			9.2		

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OUR CAS AND MINING

FORM 9

DIVIDION OF OUR CACAND MINIMA	_	
DIVISION OF OIL, GAS AND MINING	•	5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDRY NOTICES AND REPORTS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current botto	om-hole depth, reenter plugged wells, or to	7. UNIT or CA AGREEMENT NAME:
1 TYPE OF WELL	uch proposals.	
OIL WELL GAS WELL OTHER		8. WELL NAME and NUMBER: Solario State 1-32
2 NAME OF OPERATOR:		9. API NUMBER:
3. ADDRESS OF OPERATOR:		43-019-31394
16800 Imperior Mage DATATE HOUSELON	7060 PHONE NUMBER: TX 2819318933	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL	1 10.01.121.01.23	CO. Lacax
FOOTAGES AT SURFACE:	,	COUNTY: Grand
OTRIOTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 7215 R19E S	-	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NA	TURE OF NOTICE, REPOR	F, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
LI NOTICE OF INTENT	DEEPEN	REPERFORATE CURRENT FORMATION
<u> </u>	RACTURE TREAT	SIDETRACK TO REPAIR WELL
<u> </u>	IEW CONSTRUCTION .	TEMPORARILY ABANDON
	PERATOR CHANGE	TUBING REPAIR
SUBSECUENT PERCET	LUG AND ABANDON	VENT OR FLARE
(Submit Original Form Only)	LUG BACK	WATER DISPOSAL
	RODUCTION (START/RESUME)	WATER SHUT-OFF
<u> </u>	ECLAMATION OF WELL SITE	OTHER: Eng. Report
	ECOMPLETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent of	details including dates, depths, volumes,	etc.
Que attached		
·		
NAME (PLEASE PRINT) Lynn Faust	\ <u>\</u>	
THE THE PARTY OF T	TITLE VP	
SIGNATURE Taust	DATE	

(This space for State use only)

INSTRUCTIONS

281 931 8655

This form shall be submitted by the operator to show the intention and/or completion of the following:

- miscellaneous work projects and actions for which other specific report forms do not exist;
- all other work and events as identified in section 11, Type of Action, or as required by the Utah Oil and Gas Conservation General Rules, including:
 - minor deepening of an existing well bore,
 - plugging back a well.
 - recompleting to a different producing formation within an existing well bore (intent only),
 - reperforating the current producing formation.
 - drilling a sidetrack to repair a well.
 - reporting monthly the status of each drilling well.

This form is not to be used for proposals to

- drill new wells.

Jan 12 05 01:25p

- reenter previously plugged and abandoned wells.
- significantly deepen existing wells below their current bottom-hole depth,
- drill horizontal laterals from an existing well bore,
- drill hydrocarbon exploratory holes such as core samples and stratigraphic tests.

Use Form 3, Application for Permit to Drill (APD) for such proposals.

NOTICE OF INTENT - A notice of intention to do work on a well or to change plans previously approved shall be submitted in duplicate and must be received and approved by the division before the work is commenced. The operator is responsible for receipt of the notice by the division in ample time for proper consideration and action. In cases of emergency, the operator may obtain verbal approval to commence work. Within five days after receiving verbal approval, the operator shall submit a Sundry Notice describing the work and acknowledging the verbal approval.

SUBSEQUENT REPORT - A subsequent report shall be submitted to the division within 30 days of the completion of the outlined work. Specific details of the work performed should be provided, including dates, well depths, placement of plugs, etc.

WELL ABANDONMENT - Proposals to abandon a well and subsequent reports of abandonment should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, and method of parting of any casing, liner, or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

In addition to any Sundry Notice forms submitted, Form 8, Well Completion or Recompletion Report and Log must be submitted to the division to report the results of the following operations:

- completing or plugging a new well.
- reentering a previously plugged and abandoned well,
- significantly deepening an existing well bore below the current bottom-hole depth,
- drilling horizontal laterals from an existing well bore,
- drilling hydrocarbon exploratory holes such as core samples and stratigraphic tests,
- recompleting to a different producing formation.

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

01

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL GAS AND MINING

FORM 9

4 DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDRY NOTICES AND REPORTS ON W	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	N/A
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such pro-	o depth, reenter plugged wells, or to posals. 7. UNIT or CA AGREEMENT NAME: posals.
1. TYPE OF WELL OIL WELL X GAS WELL OTHER	8. WELL NAME and NUMBER:
2. NAME OF OPERATOR:	9. API NUMBER:
3. ADDRESS OF OPERATOR:	42-019-31394
16800 Imperial Magan DARATE Houselon TX	10. FIELD AND POOL, OR WILDCAT: 10. FIELD AND POOL, OR WILDCAT: 10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL	TRUTTE CONTROL
FOOTAGES AT SURFACE:	COUNTY: Grand
GTR/GTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE:
32 AIS 19E S	UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE TYPE OF SUBMISSION	
D ACIDIZE DESPE	TYPE OF ACTION REPERFORATE CURRENT FORMATION
NOTICE OF INTENT (Submit in Duplicate) ALTER CASING FRACTI	JRE TREAT SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CO	DNSTRUCTION TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERA	TOR CHANGE TUBING REPAIR
	ND ABANDON VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG B	ACK WATER DISPOSAL
Date of work completion:	CTION (START/RESUME) WATER SHUT-OFF
	MATION OF WELL SITE OTHER: Page Report
	PLETE - DIFFERENT FORMATION
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details	including dates, depths, volumes, etc.
. See attached	
	Most and
NAME (PLEASE PRINT) Nym Faust	TLE
D)	ATE 1-12-65
(This space for State use only)	

(5/2000)

(See Instructions on Reverse Side)

RECEIVED

JAN 1 2 2005

8655

INSTRUCTIONS

This form shall be submitted by the operator to show the intention and/or completion of the following:

- miscellaneous work projects and actions for which other specific report forms do not exist;
- all other work and events as identified in section 11, Type of Action, or as required by the Utah Oil and Gas Conservation General Rules, including:
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Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Box 145801

Fax:

Phone:

801-538-5340

Salt Lake City, Utah 84114-5801

801-359-3940

(5/2000)

STATE OF UTAH MENT OF NATURAL RESOU

DIVISION OF OIL, GAS AND	5. LEASE DESIGNATION AND SERIAL NUMBER: ML 4744)			
			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
SUNDRY NOTICES AND REPO	RTS ON WEL	LS		
Do not use this form for proposals to drill new wells, significantly deepen existing wells bel drill horizontal laterals. Use APPLICATION FOR PERMIT TO D	iow current bottom-hole dep ORII I form for such propose	h, reenter plugged wells, or to	7. UNIT OF CA AGREEMENT NAME:	
1 TYPE OF WELL			8. WELL NAME and NUMBER:	
OIL WELL GAS WELL OTH			State 1-32	
2. NAME OF OPERATOR:	N2595		43-019-31394	
MSC Exploration LP 3. ADDRESS OF OPERATOR: Sta	380	PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:	
16800 Imperior Valley Dire	tabuston_	2819318933	Wildeat	
·· = · · · · · · · · · · · · · · · · ·		•0	COUNTY: GRAND	
FOOTAGES AT SURFACE: 2073 FSL, 649 F	E 1-		COUNTY: GRAND	
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 32 21	IS 19E		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDI	CATE NATURE	OF NOTICE, REPO	RT, OR OTHER DATA	
TYPE OF SUBMISSION		YPE OF ACTION		
ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION	
NOTICE OF INTENT (Submit in Duplicate) ALTER CASING	FRACTURE	TREAT	SIDETRACK TO REPAIR WELL	
Approximate date work will start: CASING REPAIR	☐ NEW CON	TRUCTION	TEMPORARILY ABANDON	
CHANGE TO PREVIOUS PLANS	OPERATOR	R CHANGE	TUBING REPAIR	
CHANGE TUBING	PLUG AND	ABANDON	VENT OR FLARE	
SUBSEQUENT REPORT CHANGE WELL NAME	PLUG BAC	<	WATER DISPOSAL	
(Submit Original Form Only) CHANGE WELL STATUS	PRODUCT	ON (START/RESUME)	WATER SHUT-OFF	
Date of work completion: COMMINGLE PRODUCING FORMAT	TIONS RECLAMA	TION OF WELL SITE	OTHER:	
CONVERT WELL TYPE	RECOMPL	TE - DIFFERENT FORMATION		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly sho	ow all pertinent details in	cluding dates, depths, volum	nes, etc.	
Effective Date: 6-	4-04			
CATECATOC COMPANY		D=0=::		
		RECEIVE	ĬD .	
Bond # 6801331643 ER 3/28/05		JAN 3 1 200	5	
GC 1010100		DIV OF OUR OF SOME		
		DIV. OF OIL, GAS & M	INING	
λIS	1230		•	
7,400	nation C	200 . \/:	ce President	
Lynn Faust for Solaris Explo	المراجعة الم	~·· ~ · · · · · · · · · · · · · · · · ·		
Laut			1-29-05	
y vances				
* MSC * NAME (PLEASE PRINT) Lynn Foust for MSC	Exploretion	LE <u>Admini</u>	strator	
2				
SIGNATURE Taux	DA	TE 1-29-0	55	
(This space for State use only)				
		APPROV	ED 3/28/05	

(See Instructions on Reverse Side)

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

X

OPERATOR CHANGE WORKSHEET

015

X Change of Operator (Well Sold)

ROUTING
1. GLH
2. CDW
3. FILE

Designation of Agent/Operator

O	perator	· Name	Change	
---	---------	--------	--------	--

Merger

The operator of the well(s) listed below has cl	6/4/04							
FROM: (Old Operator): N2230-Solaris Exploration Corp 16800 Imperial Valley Dr, Suite 380 Houston, TX 77060	TO: (New Operator): N2595-MSC Exploration, LP 16800 Imperial Valley Dr, Suite 380 Houston, TX 77060							
Phone: 1-(281) 931-8933	Phone: 1-(281)	931-8933						
CA No.	<u> </u>			Unit:				
WELL(S)	lone	(DXX/A)	DNG	LARY NO	I DAME TO SERVICE AND ADDRESS OF THE PARTY O	LEACE	INVEL I	WELL
NAME				API NO	NO	LEASE TYPE	WELL TYPE	STATUS
STATE 1-32	32			4301931394		state	low	S
STATE 21-19 (32-16D)	32	2108	190E	4301931399	13903	state	OW	TA
OPERATOR CHANGES DOCUMENTATION Enter date after each listed item is completed 1. (R649-8-10) Sundry or legal documentation was received from the FORMER operator on: 1/31/2005 2. (R649-8-10) Sundry or legal documentation was received from the NEW operator on: 1/31/2005								
 The new company was checked on the Department of Commerce, Division of Corporations Database on: Is the new operator registered in the State of Utah: YES Business Number: 5630131-0181 If NO, the operator was contacted contacted on: 								
6a. (R649-9-2)Waste Management Plan has bee			n:	IN PLACE	_			
6b. Inspections of LA PA state/fee well sites co	omplet	n/a	_					

7. Federal and Indian Lease Wells: The BLM and or	the BIA has approved the merger, name change,
or operator change for all wells listed on Federal or Indian lea	ases on: BLM BIA
8. Federal and Indian Units:	
The BLM or BIA has approved the successor of unit operat	tor for wells listed on:
9. Federal and Indian Communization Agreement	
The BLM or BIA has approved the operator for all wells lis	sted within a CA on:
10. Underground Injection Control ("UIC") The Inject, for the enhanced/secondary recovery unit/project for the inject, for the enhanced secondary recovery unit/project for the inject, for the enhanced secondary recovery unit/project for the inject, for the enhanced secondary recovery unit/project for the inject, for the enhanced secondary recovery unit/project for the inject, for the enhanced secondary recovery unit/project for the inject, for the enhanced secondary recovery unit/project for the enhanced secondary recovery unit/project for the enhanced secondary recovery unit/project for the enhanced secondary recovery unit/project for the enhanced secondary recovery unit/project for the enhanced secondary recovery unit/project for the enhanced secondary recovery unit/project for the enhanced secondary recovery unit/project for the enhanced secondary recovery unit/project for the enhanced secondary recovery unit/project for the enhanced secondary recovery unit/project for the enhanced secondary recovery unit/project for the enhanced secondary recovery unit/project for the enhanced secondary recovery unit/project for the enhanced secondary recovery unit/project for the enhanced secondary recovery unit/project for the enhanced secondary recovery recovery unit/project for the enhanced secondary recovery reco	Division has approved UIC Form 5, Transfer of Authority to the water disposal well(s) listed on:
DATA ENTRY:	
1. Changes entered in the Oil and Gas Database on:	3/28/2005
2. Changes have been entered on the Monthly Operator Change	ge Spread Sheet on: 3/28/2005
3. Bond information entered in RBDMS on:	3/28/2005
4. Fee/State wells attached to bond in RBDMS on:	3/28/2005
5. Injection Projects to new operator in RBDMS on:	n/a
6. Receipt of Acceptance of Drilling Procedures for APD/New	on: n/a
FEDERAL WELL(S) BOND VERIFICATION:	
1. Federal well(s) covered by Bond Number:	
INDIAN WELL(S) BOND VERIFICATION:	
1. Indian well(s) covered by Bond Number:	
FEE & STATE WELL(S) BOND VERIFICATION	
1. (R649-3-1) The NEW operator of any fee well(s) listed cover	red by Bond Number 6801331643
2. The FORMER operator has requested a release of liability from The Division sent response by letter on:	om their bond on: n/a TLA bond reduced
	1 El T Bond Todabed
LEASE INTEREST OWNER NOTIFICATION: 3. (R649-2-10) The FORMER operator of the fee wells has been	n contested and informed by a letter from the Division
of their responsibility to notify all interest owners of this chan	
COMMENTS:	
d to Mente.	



State of Utah

Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

MARY ANN WRIGHT
Acting Division Director

JON M. HUNTSMAN, JR.

Governor

GARY R. HERBERT Lieutenant Governor

February 14, 2005

Lynn Faust Solaris Exploration Corporation 16800 Imperial Valley Drive, Suite 380 Houston, Texas 77060

Re: Approval for Extended Shut-in or Temporarily Abandoned Status

Dear Ms. Faust:

This correspondence is in response to your subsequent sundry dated January 12, 2005 (received by the Division of Oil, Gas and Mining ("the Division") on that same date via fax) regarding an MIT done on the State #1-32 well on January 11, 2005. It is the Division's understanding that Solaris plans on drilling this well horizontally in the near future (Note: An Application for Permit to Drill will need to be approved prior to commencing with this action). Periodic monitoring of pressures and fluid levels should be done to verify continued casing integrity.

Based on the information submitted and conditioned on periodic monitoring and documenting of pressures and fluid level for these wells, the Division grants a one (1) year extension for the State # 1-32 well, API # 43-019-31394, until January 11, 2006. The documented information for these wells should be submitted to the Division at the end of the year for review. An extension may be reapplied for at that time if necessary. However, if pressures or fluid levels change significantly during the year please inform the Division immediately. Corrective action may be necessary.

If you have any questions or need additional assistance in regards to this matter please contact me at (801) 538-5281.

Sincerely,

Dustin K. Doucet Petroleum Engineer

jc

cc:

John Baza
Well File
SITLA

FORM 9

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING 5. LEASE DESIGNATION AND SERIAL NUMBER: SUNDRY NOTICES AND REPORTS ON WELLS 7. UNIT or CA AGREEMENT NAME: GAS WELL TY OTHER OIL WELL PHONE NUMBER: Walley Dr. Ste 38 milliouston wildcat GRAND COUNTY: 32 215 9E STATE: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: ITAN

	PROPRIATE BOXES TO INDICAT		VI, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
1 NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATIC
NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	☐ NEW CONSTRUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	OTHER:
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Pla change Operator to: MSC Exploration, LP 16800 Imperial Valley Dr. Houston, TX 77060

RECEIVED MAR 2 3 2005

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) LYON FAUST	TITLE Administrator
SIGNATURE Laust	DATE 3-23-05
order to the	

2. NAME OF OPERATOR:

FOOTAGES AT SURFACE:

(5/2000)

(See Instructions on Reverse Side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING	ML47441
SUNDRY NOTICES AND REPORTS ON WELLS	6 IF INDIAN, ALLOTTEE OR TRIBE NAME
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells	7 UNIT or CA AGREEMENT NAME
dnii honzontali laterals Use APPLICATION FOR PERMIT TO DRILL form for such proposals 1. TYPE OF WELL OIL WELL GAS WELL OTHER	8 WELL NAME and NUMBER. State MSC SOLARIS 1- 32
	9. API NUMBER:
2 NAME OF OPERATOR Tidewater Oil & Gas, LLC	4301931394
3 ADDRESS OF OPERATOR 1645 Court PI., Suite 310 Denver CO 80202 (303) 468-069	10 FIELD AND POOL, OR WILDCAT WILDCAT
4 LOCATION OF WELL FOOTAGES AT SURFACE: 2073 FSL, 549 FEL	COUNTY: GRAND
OTR/QTR, SECTION, TOWNSHIP, RANGE MERIDIAN S2N2 32 21S 19E	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, F	REPORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION
(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start CASING REPAIR NEW CONSTRUCTION	TUBING REPAIR
8/31/2006 CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	VENT OR FLARE
CHANGE TUBING PLUG AND ABANDON CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
(Submit Ongrad Form Only)	WATER SHUT-OFF
Date of work completion CHANGE WELL STATUS PRODUCTION (START/RESUME) COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FOR	
12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depth	
 Move in rig. Pull tubing. Set cement retainer at 3334'. (above Navajo). Squeeze cement 40 sxs cement through retainer. Pull out of retainer and leave 12 Pull tubing to 520'. Balance pump 12 sx of cement from 520' to 470'. Pull tubing to 100'. Place 12 sxs cement to surface. Cut of casing 4 ft. below surface. Weld on plate and dry hole marker. Restore surface. 	sxs cement on top of retainer
OFIIT	ED BY THE STATE AH DIVISION OF AS, AND MINING 8/30/2006 Plenter & Divershal
NAME (PLEASE PRINT) R.E. KNIGHT TITLE AGENT	
SIGNATURE RELIGION DATE 8/28/2006	

(This space for State use only)

AUG 2 9 2006

De Grand



State of Utah

Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

CONDITIONS OF APPROVAL TO PLUG AND ABANDON WELL

Well Name and Number:

State MSC Solaris 1-32

API Number:

43-019-31394

Operator:

Tidewater Oil & Gas, LLC

Reference Document:

Original Sundry Notice Dated August 28, 2006

Received by DOGM on August 29, 2006

Approval Conditions:

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
- 2. CHANGE STEP #5 100 ft balanced plug from #6 410' (R649-3-24.3.6).
- 3. All intervals between plugs shall be filled with noncorrosive fluid.
- 4. Balanced plugs shall be tagged to ensure the plugs are at the depths specified in the proposal.
- 5. Surface reclamation shall be done in accordance with R649-3-34 Well Site Restoration. Evidence of compliance with this rule should be supplied to the Division upon completion of reclamation.
- 6. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
- 7. If there are any changes to the plugging procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 prior to continuing with the procedure.
- 8. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

<u>Clinter & Devertak for</u> Dustin K. Doucet

<u>August 29, 2006</u>

Date

Petroleum Engineer

String

HOL1

SURF

HOL2

PROD

TI

PKR

String Information

Bottom

(ft sub)

461

461

4630

4630

4338

3911

Length

(ft)

7.483

461

464

Weight

(lb/ft)

24

15.5

API Well No: 43-019-31394-00-00

Permit No:

Well Name/No: STATE 1-32

Diameter

(inches)

12.25

8.625

7.875

2.875

5.5

Company Name: MSC EXPLORATION, LP

Location: Sec: 32 T: 21S R: 19E Spot: NESE

Coordinates: X: 600932 Y: 4310676

Field Name: WILDCAT County Name: GRAND

Saylace plug 100/6.483)(1.15)=125ks

Cement from 461 ft. to surface

Surface: 8.625 in. @ 461 ft.

Hole: 12.25 in. @ 461 ft.

Cement from 464 ft. to surface

ply #2 510-410 (chargedply Depth) 100/(7.483)(1.15) = 17 SEKS

Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
PROD	464	0		
SURF	461	0	UK	330

Perforation Information

OK

CICR @ 3334' above (101(7.483)(1.15): 1031

Hole: 7.875 in. @ 4630 ft.

TD:

4630 TVD:

4630 PBTD:

4580

RECEIL D

				TMENT	ATE OF NA	TURAL	RESO			Αſ	PR 0 3	2003	(hi	ghlight	change		FORM 8
		L	IVIOI		OIL,	G/3 /	-114D IV	/111 411 4	•	D v OF	CR KA	S&Y					
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1a TYPE OF WELL		OIL	LL 🗹] {	GAS C]	DRY [ОТН	R			7 U	NIT or CA	AGREE	MENT NAI	ME
b TYPE OF WORK					·-	_	D' F	_						ELL NAM			^
	HORIZ C] EN	EP		NTRY		DIT: RESVR		0146	'R				SOIATI:		e #1-3	2
2 NAME OF OPERA Solaris Ex		n											1	43019		1	
3 ADDRESS OF OP		0-					TV	. 11P 77C)60		NUMBER: 1) 931-	9022	1	ELD AND		OR WILDO	AT
16800 Impe				uston			<u>'^</u>	AP //C		(20	1) 931-	0933	1			N, TOWN	SHIP, RANGE
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AT TOP PRODUC	ING INTER	VAL REPOR	TED BEL	.ow: 2	073' F	SL 54	9'FEL						'''		-	_,_	
													12	COUNTY			13 STATE
AT TOTAL DEPT					,									Grand			UTAH
9/7/2002);	15 DATE T 9/29/2		HED	16 DATE	E COMPLE 2003	ETED:	A	BANDONE	D 🗌	READY TO	PRODUC	E 🗹			0F, RKB	1, RT, GL): 3 4907'
18 TOTAL DEPTH:	MD 4.	630	Ti	9 PLUG	BACK T.D		4.580		li .	IULTIPLE CO			MANY?	21 DEP	TH BRID		
	TVD 4,	630				TVD				co-mingl	led Kay	е		,,,	00 321.	TV	
Neutron-Der Caliper. (Ca	nsity, D	ual Indu	ction,	GR, C	Caliper		Sonic		~	WAS DST	L CORED? RUN? NAL SURVE	: Y ?	NO NO NO		YES U	(Sub	mit analysis) mit report) mit copy)
24. CASING AND LI	NER RECO	RD (Report a	() strings	set in w	-1 1)												
HOLE SIZE	SIZE/GF	RADE	WEIGHT	{#/ft }	TOP	MD)	вотто	M (MD)		EMENTER PTH	CEMENT NO OF		SLU VOLUM		CEME	NT TOP **	AMOUNT PULLED
12 1/4"	8	5/8	24	1	C)	46	31			Type II 330		0 69		Surface		
7 7/8"	5	1/2	15.	.5	0		46	64				260	177		Surface		
											G	760	16	54	ļ		
													 		-		-
		 											<u> </u>				
25. TUBING RECOR	L	, <u></u>							L		·		.				
SIZE	DEPTH	SET (MD)	PACK	ER SET (I	MD)	SIZE		DEPTH	SET (MD)	PACKE	R SET (MD)		SIZE	ī	EPTH S	ET (MD)	PACKER SET (MD)
2 7/8	4.	338		3.911								<u> </u>					
26. PRODUCING IN										27. PERFO							
FORMATION	NAME	TOP		_	M (MD)	TOP (TVD)	вотто	M (TVD)		L (Top/Bot	+	SIZE	NO. HO:	_	en 🔽	Squeezed Squeezed
(A) Kayenta		-	40	 	058 528				-	3,962 4,056		.996 . 528	.43	504		=	Squeezed 🔽
(B) Wingate		4.0)58	4.	320			<u> </u>		4,050		.520	.43	30	Oρ	=	Squeezed
(D)	·····											······································			Op	en 🗍	Squeezed
28. ACID, FRACTUR	RE, TREATM	ENT, CEME	NT SQUI	EEZE, ET	c .	L		·	L			1		.			
DEPTH	NTERVAL								AMO	DUNT AND T	YPE OF MA	TERIAL				•	
			See	Attacl	hed Ac	idizing	ı. Frac	ture 8	Sque	eze Red	cord						
																I	
29. ENCLOSED ATT	TACHMENT	3 :														30. WEI	LL STATUS:
_		HANICAL LO		CEMENT	VERIFICA	ATION		GEOLOGI CORE AN	C REPOR	=	DST REPO	_	DIREC	TIONAL	SURVEY	hut	-in Pendin

MSC EXPLORATION, L. P.

Prospect: State Solaris MSC #1-32 Rig: Sauers #30 Location: Grand Co., UT

 Proposed MD:
 4,800°

 Proposed TVD:
 4,800°

 Actual TD:
 4,630°

Location:

Sec. 32, T21S, R19E

Surface: Target: Target:

Primary Target Intervals

Logging	Targets	MD TVD		Hole Sizes	Casing Strings	Mud Density	Deviation BHST	· Cement
MWD / LWD	MD/TVD	IVU		31248	Julige	Dellacty	;	-
et with Rathole Company					:			
	1		2.785	12-1/4"	8 5/8" 24.0 #/ft J-55 STC	AIR	Vertical	330 sxs Type II 2% CaCi
		470'			·		<u> </u>	
Bridge Plugs	Perfo	rations	2-7/8" 6.5# J55 8REUE			8.7		
	3,384'	3,392'						
	3,400	3,406'						
	3,408	3,420				141-4 0		
3,445′						Water Base		
	3,488	3,544′			1	Non	i	ì
_	3,548'	3,612'				Dispersed	-	
-	3,620'	3,672*	2-7/8"		1	Mud		
	3,682	3,704'	6.5#			14100		ŀ
	3,710'	3,724'	J55					į
	3,738'	3,792'	8REUE					i
4 - 1	3,798'	3,806'					1	
3,813'	0.004	3,832					-	
	3,824' 3,840'	3,866'		7-7/8"	ŀ		1	
	3,840	3,882	3		ŧ		ļ	ļ
	3,896	3,906'					1	
	3,910	3,922'	Ø BOT Ø			ı		!
	3,962'	3,996'	PKR //					
4,030	3,902	5,330	4237					
4,030	4,432	4,356			5 1/2"	1		i
4,390'	7,702	.,000			: 15.50 #/ft			1
4,000	4.400	4,432			J-55		:	
	4,494'	4,528			LTC		i	
	-,	.,				1		
		4,630'	%			9.2		

31. INITIAL PR	DOLICTION				INT	ERVAL A (As sho	en in item #26)				
DATE FIRST PR 1/3/2003		1/3/20			HOURS TESTED			OIL - 88L: 35	GAS - MCF:	WATER - BBL:	PROD. METHOD: Rod Pump
CHOKE SIZE:	TBG. PRESS.	CSG. PRE		AVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS – MCF:	WATER - BBL:	INTERVAL STATUS:
					INT	ERVAL B (As sho	wn in item #26)				
DATE FIRST PE	RODUCED:	TEST DAT	E:		HOURS TESTED	D:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRE	SS. API GR	AVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS MCF:	WATER - BBL	INTERVAL STATUS:
	, ·			-	INT	ERVAL C (As sho	wn In item #26)	-			
DATE FIRST PRODUCED: TEST DATE:		Ē:		110010 120120		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL	PROD. METHOD:	
CHOKE SIZE:	TBG. PRESS.	CSG. PRE	SS. API GR	AVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER - BBL	INTERVAL STATUS:
	<u> </u>				INT	ERVAL D (As sho	wn in item #26)		····		
DATE FIRST PI	RODUCED:	TEST DAT	E:		HOURS TESTER	D:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRE	SS. API GF	AVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL BBL:	GAS - MCF:	WATER - BOL	: INTERVAL STATUS:
32. DISPOSITI	ON OF GAS (So	ld, Used for Fu	el, Vented, Et	c.)	<u></u>			- 			
33. SUMMARY	OF POROUS Z	ONES (Include	Aquifers):				3	4. FORMATION	(Log) MARKERS:		
Show all import tested, cushion	ant zones of port used, time tool o	peity and contempen, flowing an	nts thereof: Cor id shut-in press	ed interva ures and	als and all drill-ster recoveries.	n tests, including d	epth interval				
Formation Top Bottom (MD) (MD)					Descrip	otions, Contents, et	с.		Name		Top (Messured Depth)
Navaio		3 384	3 428	Oil-t	nearing Por	nsity		Mancos			0

Navaio	3.384	3,428	Oil-bearing Porosity	Delete Ciltaceul	1
Navajo	3,428	3.922	Water-bearing Porosity	Dakota CARCACTORS	2,718
Kaventa	3.962	3.996	Oil / Water Bearing Porosity	<u>Morrison</u>	3,012
Wingate	4.058	4.064	Oil / Water Bearing Porosity	Salt Wash June Sie	3.226
Wingate	4,246	4.272	Oil / Water Bearing Porosity	Carmel	3,250
Wingate	4,332	4,356	Oil / Water Bearing Porosity	Navaio	3,334
Wingate	4,494	4.528	Oil / Water Bearing Porosity	Kayenta	3,840
DST #1	4,236	4.272	See Attached DST Report	Wingate	4,058
DST #1	4,496	4.521	See Attached DST Report	Chinle	4,632
D31 #2	7,700	',02'			
			•	4	

35. ADDITIONAL REMARKS (include plugging procedure)

Well is currently shut-in, pending evaluation of horizontal drilling in the upper Navajo Sandstone.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.									
NAME (PLEASE PRINT) A.W. Allred	TITLE Agent								
SIGNATURE TO TO THE SIGNATURE	DATE 64/02/03								

This report must be submitted within 30 days of

- completing or plugging a new well
- e drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

** ITEM 24: Cement Top — Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

ax: 801-359-3940

^{*} ITEM 20: Show the number of completions if production is measured separately from two or more formations.

Solaris State #1-32 Perforations

Origin	Original Perforations											
Тор	Bottom	Feet	Hole Dia	SPF	Formation							
3384	3438	54	0.41	4	Navajo							
3462	3486	24	0.41	4	Navajo							
3488	3544	56	0.41	4	Navajo							
3548	3612	64	0.41	4	Navajo							
3620	3672	52	0.41	4	Navajo							
3682	3704	22	0.41	4	Navajo							
3710	3724	14	0.41	4	Navajo							
3738	3792	54	0.41	4	Navajo							
3798	3804	6	0.41	4	Navajo							
3824	3838	14	0.41	4	Navajo							
3840	3866	26	0.41	4	Kayenta							
3878	3882	4	0.41	4	Kayenta							
3896	3906	10	0.41	4	Kayenta							
3910	3922	12	0.41	4	Kayenta							
3962	3996	34	0.41	4	Kayenta							
4056	4066	10	0.43	4	Wingate							
4246	4272	26	0.43	4	Wingate							
4332	4356	24	0.43	4	Wingate							
4400	4432	32	0.43	4	Wingate							
4494	4528	34	0.43	4	Wingate							

Re-Pe	Re-Perforated Intervals										
Тор	Bottom	Feet	Hole Dia	SPF	Formation						
3384	3392	8	0.45	2	Navajo						
3400	3406	6	0.45	2	Navajo						
3408	3420	12	0.45	2	Navajo						

Re-Perforated Intervals										
Тор	Bottom	Feet	Hole Dia	SPF	Formation					
3962	3996	34	0.45	2	Kayenta					

Sque	zed Inte	rvals			
Тор	Bottom	Feet	Hole Dia	SPF	Formation
4246	4272	26	0.45	2	Wingate

Solaris State #1-32 Frac Data

Тор	Bottom	Feet	Hole Dia	SPF	Formation	Type	Size	lbs	KCL %	Base	X-link	Vol, gal
3962	3996	34	0.41	4	Kayenta	Ottawa	20-40	42500	3	Guar	Borate	20000
4056	4066	10	0.43	4	Wingate							
4246	4272	26	0.43	4	Wingate	Ottawa	20-40	99500	3	Guar	Borate	42000
4332	4356	24	0.43	4	Wingate							
4400	4432	32	0.43	4	Wingate	Ottawa	20-40	99500	3	Guar	Borate	42000
4494	4528	34	0.43	4	Wingate							

Frac'd Wingate perforations 4400'-4432' & 4494'-4528' w/ 99,500 lbs 20-40 Ottawa sand 1-5 ppg in 1 ppg increments, & 42,000 gal of BJ service's Viking 1D 2500 fluid (3% KCl Borate X-linked guar gel) @ 24.9 - 24.7 BPM, 3248-3040-3471 psi. Initial break @ 3818 psi-16 BPM. ISIP-1720 psi, 5 min-1542 psi, 10 min-1396 psi. 120 F break on gel samples. Pressure up annulus & stung out of modified Lok-Set packer @ 4374'. P.O.O.H.

R.I.H. w/ Baker modified Lok-Set packer and retrievamatic packer in tandem. Set Lok Set pkr @ 4154' (4158' EOT). Frac'd Wingate perforations 4246'-4272' & 4332'-4356' w/ 99,500 lbs 20-40 Ottawa sand 1-5 ppg in 1 ppg increments, & 42,000 gal of BJ Svc's Viking 1D 2500 fluid (3% KCl Borate X-link guar gel) @ 24.8-24.7-24.8 BPM, 3714-3027-3211 psi. Initial break @ 4221 psi-11.4 BPM. ISIP-1510 psi, 5 min-1421 psi, 10 min-1367 psi. 120 F break on gel smpls. Stung out of modified Lok-Set pkr @4154'. Pulled up & set retrievamatic packer @ 3935' in 20,000# compression. Frac'd Wingate-Kayenta perfs. 3962'-3996' & 4056'-4066' w/ 42,500 lbs 20-40 Ottawa sand from 1-5 ppg in 1ppg increments, & 20,000 gal of BJ Service's Viking 1D 2500 fluid (3% KCl Borate X-linked guar gel) @ 12.7-24.8 BPM, 4828-5208-4712 psi. Initial break @ 5137 psi-13 BPM. ISIP-2220 psi, 5 min-1877 psi, 10 min-1773 psi, 15 min-1717 psi, 20 min-1668 psi, 25 min-1627 psi, 30 min-1588, 35 min-1537 psi, 40 min-1515 psi. 120 F break on gel samples.

Solaris State #1-32 Acid Jobs

Origin	al Perfo	rations	3										
Top	Bottom	Feet	Hole Dia	SPF	Formation	Acid	Conc-%	Vol, gal	Date				
3384	3438	54	0.41	4	Navajo	One-Shot	7.5	17500	10/19/02				
3462	3486	24	0.41	4	Navajo								
3488	3544	56	0.41	4	Navajo				Į.				
3548	3612	64	0.41	4	Navajo				l				
3620	3672	52	0.41	4	Navajo								
3682	3704	22	0.41	4	Navajo								
3710	3724	14	0.41	4	Navajo								
3738	3792	54	0.41	4	Navajo				Į.				
3798	3804	6	0.41	4	Navajo								
3824	3838	14	0.41	4	Navajo	One-Shot	7.5	5670	10/16/02				
3840	3866	26	0.41	4	Kayenta				l:				
3878	3882	4	0.41	4	Kayenta								
3896	3906	10	0.41	4	Kayenta								
3910	3922	12	0.41	4	Kayenta								
3962	3996	34	0.41	4	Kayenta								
4056	4066	10	0.43	4	Wingate								
4246	4272	26	0.43	4	Wingate	HCI	7.5	1000	10/14/02				
4332		24	0.43	4	Wingate	HCI	7.5	1000	10/13/02	Acid	Conc-%	Vol, gal	Date
4400		32	0.43	4	Wingate					HCI	7.5	500	10/12/02
4494		34	0.43	4	Wingate	HCI	7.5	1500	10/11/02				

Re-Pe	rforated	Interv	als	l					
Top	Bottom	Feet	Hole Dia	SPF	Formation	Acid	Conc-%	Vol, gal	Date
3384	3392	8	0.45	2	Navajo	One-Shot	7.5	1300	10/24/02
3400		6	0.45	2	Navajo				
3408	3420	12	0.45	2	Navajo				

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

	DIVISION	OF OIL, GAS A	ND MINING		
	DESIGNATION	OF AGENT	OR OPERAT	OR .	
The undersigned is, on	record the holder of oil and gas	lease			
LEASE NAME:					
LEASE NUMBER:	ML47441				
and hereby designates					
NAME:	Tidewater Oil & Gas LLC				
ADDRESS:	1645 Court Place, Suite 301			T	
	city Denver		state Co	zip 80202	
regulations applicable securing compliance will of the State of Utah with	ent (a) I operator (a) with full authoreto and on whom the Division to the Oil and Gas Conservation (b) respect to	n Director or A General Rules	uthorized Agent and Procedural	may serve written o Rules of the Board of	r oral instructions in Oil, Gas and Mining
of the lease and the O	s cesignation of agent/operator d I and Gas Conservation General understood that this designation	Rules and Pro	cedural Rules o	f the Board of Oil, G	as and Mining of the
In case of default on the terms or orders of the l	epart of the designated agent/ope Board of Oi⊩ Gas and Mining of t	rator, the lesse he State of Uta	e will make full a h or its authorize	nd prompt compliance ed representative	e with all rules, lease
The lessee agrees to p	romotiy notify the Division Direct				ation.
Effective Date of Des	gnation: 05/01/2006				
BY: (Normal Michael	el Cornish		200 E	Exploration	· · · · · · · · · · · · · · · · · · ·
(Signature) 🔟 🗘	wych	•	(Address) 309 F	lorida Hill Rd.	

Manager

(203) 894-1100

(Title)

Starter

1, apr 1 :

city Ridgefield

<u>ου</u> 06877

state CT

Online Services

Agency List

Business



Search Utah.go

Utah Department of Commerce

Business Entity Search

2 Help

Name

Type

City

Status

MSC EXPLORATION, L.P.

Limited Partnership

Ridgefield

Active

Business Name: Entity Number:

MSC EXPLORATION, L.P.

5630131-0181 04/21/2004

Registration Date: State of Origin:

DE

Address

369 FLORIDA HILL RD Ridgefield, CT 06877

Status

Status: **Status Description:** Active

This Status Date: Last Renewed: License Type:

Good Standing 06/08/2005 04/25/2006

Delinquent Date:

Limited Partnership - Foreign

04/21/2007

Registered Agent

Registered Agent:

CT CORPORATION SYSTEM [Search BES] [Search RPS] 136 East South Temple Ste 2100

Address Line 1: Address Line 2:

Salt Lake City

City: State:

UT

84111 Zip:

Additional Information

NAICS Code:

2111

NAICS Title:

2111-Oil and Gas Extraction

With this information, you can...

Purchase Certificate of Existence

If you would like to purchase a Certificate of Existence for this business entity, select the button to the left. You will be assessed a \$ 12.00 fee for this service. You will need Adobe Reader to view this certificate. If you do not have Adobe Reader, click on the button below and download it.

Adobe Adobe Reader

Access Principal Information

If you would like to receive information on the principal individuals associated with this entity, click the button on the left. You will be assessed a \$ 1.00 fee for this information

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Division of Oil, Gas and Mining PHONE CONVERSATION DOCUMENTATION FORM

Route	original/copy to:		
\square \vee	Vell File♥	□Suspense	\square Other
(Loc.	te Solaris 1-32) Sec 32 Twp 215 Rng/9E No.) 42 019 21394	(Return Date)(To-Initials)	
(AFI	No.) 43 019 31394		
1.	Date of Phone Call: 9/8/05	Time:	12-05
2.	DOGM Employee (name)	in Dovet (Initiated Call)
	Name Lynn Fus + of (Company/Organization)/		No. (281) 931-8933
3.	Topic of Conversation: PSF	t of Solaris 1-	-32 well by
4.	Highlights of Conversation: No of Agent Operator Sul Planda Hill Rd. 1 Fact Confirmed he and was onk to plan	Ridgefield, CT was the owner	Cornish of 369 06877 to allow P. 4 struell

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES 5. LEASE DESIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING ML47441 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS 7. UNIT or CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to dnill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. 8. WELL NAME and NUMBER: STATE 1-3 1 TYPE OF WELL OIL WELL 🔽 OTHER GAS WELL State MSC SOLARIS 1-32 9. API NUMBER: 2. NAME OF OPERATOR: 4301931394 Tidewater Oil & Gas, LLC PHONE NUMBER: 10. FIELD AND POOL, OR WILDCAT 3 ADDRESS OF OPERATOR (303) 468-0656 WILDCAT CO 80202 1645 Court Pl., Suite 310 Denver 4. LOCATION OF WELL 549 FEL COUNTY: GRAND FOOTAGES AT SURFACE: 2073 FSL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN S2N2 21S 19E 32 STATE **UTAH** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 11. TYPE OF ACTION TYPE OF SUBMISSION REPERFORATE CURRENT FORMATION DEEPEN NOTICE OF INTENT SIDETRACK TO REPAIR WELL (Submit in Duplicate) ALTER CASING FRACTURE TREAT NEW CONSTRUCTION TEMPORARILY ABANDON Approximate date work will start: CASING REPAIR **TUBING REPAIR** CHANGE TO PREVIOUS PLANS OPERATOR CHANGE VENT OR FLARE CHANGE TUBING PLUG AND ABANDON WATER DISPOSAL SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only) PRODUCTION (START/RESUME) WATER SHUT-OFF CHANGE WELL STATUS Date of work completion: COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE OTHER: 10/31/2006 CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. 1. Move in rig. 2. Set cement retainer at 3362'. (above Navajo). 4. Squeeze cement 55 sxs cement through retainer. Pull out of retainer and left 12 sxs cement on top of retainer 5. Tagged cement. Cemented with 30 sx @ 3362'. Tagged cement at +/- 3000'. 6. Pull tubing to 517'. Balance pump 60 sx of cement from 520' to surface. 7. Ran 1" down 5.5" annulus. Place 30 sxs cement to surface. 8. Topped of cement with 10 sx cement. 9. Cut of casing 4 ft. below surface. Weld on plate and dry hole marker. 10. Restore surface.

All plugging operations witnessed by Mark Jones, State of Utah Oil and Gas inspector.

RECEIVED NOV 2 9 2006

	DIV OF OUR OAD A MINING
	DIV. OF OIL, GAS & MINITE
NAME (PLEASE PRINT) R.E. KNIGHT	TITLE AGENT
SIGNATURE Red Knight	DATE 11/1/2006

(This space for State use only)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

DESIGNA	TION OF	AGENT OR	OPERATOR

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME:				
LEASE NUMBER:				
and hereby designates				
NAME:	Tidewater Oil & Gas LLC	N3000		
ADDRESS:	1645 Court Place, Suite 301			_
	city DENVER	state Co	O zip 80202	-
regulations applicable to securing compliance with of the State of Utah with		on Director or Authorized General Rules and Proc	Agent may serve written edural Rules of the Board	or oral instructions in of Oil, Gas and Mining
(Describe acreage to needed.)	o which this designation is applicable. I	dentify each oil and gas well by	API number and name. Attach	additional pages as
43-019-31402 -43-019-31404 43-019-31408 43-019-31394 43-019-31399 43-019-31404	STATE 21-19 (32-16D) STATE MSC 35-1 N THOMPSON 2-1	Division of Oil, Ga Earlene Russell, Er	ngineering Technician	-
ms	C HAS BONDE	D THESE U	JELLS - ER	
of the lease and the Oil State of Utah. It is also the lease.	s designation of agent/operator I and Gas Conservation General understood that this designation	al Rules and Procedural I n of agent or operator doe	Rules of the Board of Oil, es not constitute an assigr	Gas and Mining of the nment of any interest in
in case of default on the terms or orders of the E	part of the designated agent/op Board of Oil, Gas and Mining of	erator, the lessee will mal the State of Utah or its a	ke full and prompt complia uthorized representative.	nce with all rules, lease
The lessee agrees to p	romptly notify the Division Direct	ctor or Authorized Agent	of any change in this desi	gnation.
Effective Date of Desi	ignation: 10/10/2006			.1.
BY: (Name) Michael	ex Corrylety / /	OF: (Company)		N2595
(Signature)	left like	(Address)	369 Florida Hill Rd.	
(Title) Presid			city RIDGEFIELD	06077
(Phone) (203)	994-1079	RECEIVED	state CT zip	06877
(5/2000)		UCT 2 5 2006		

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

1. DJJ	
1	1. DJJ
ŕ	2 CDW

X - Change of Operator (Well So	ld)
--	-----

A - Change of Operator (Well Sold)			Operator Name Change/Merger					
The operator of the well(s) listed below has changed, effective:						2/12/2008	<u></u>	
FROM: (Old Operator):				TO: (New Op	perator):	———		
N3000-Tidewater Oil & Gas Company, LLC				N3440-NAE, L	LC			
110 16th St, Suite 1200				16800 I	mperial Va	lley Dr, Suite 38	0	
Denver, CO 80202					n, TX 7706			
					•			
Phone: 1 (303) 327-7134				Phone: 1 (281)	931-8933			
CA No.				Unit:				
WELL NAME	SEC	CTWN	RNG	API NO		LEASE TYPE	l	WELL
	<u> </u>	,		<u> </u>	NO		TYPE	STATUS
SEE ATTACHED LIST		<u> </u>	ļ		<u> </u>		L	
OPERATOR CHANGES DOCUMENT	A Tri	ION						
Enter date after each listed item is completed	AI	ION						
1. (R649-8-10) Sundry or legal documentation wa	10 r 00	naired f	rom tha	FODMED one	rator on	2/26/2008		
				•				
2. (R649-8-10) Sundry or legal documentation wa				=		2/22/2008	•	
3. The new company was checked on the Depart			nmerce	•	-			1/15/2008
4a. Is the new operator registered in the State of U	Jtah:			Business Numb	er:	6666480-0161		
4b. If NO, the operator was contacted contacted of	n:							
5a. (R649-9-2)Waste Management Plan has been re	ceiv	ed on:		IN PLACE				
5b. Inspections of LA PA state/fee well sites comp.	lete (on:		ok	•			
5c. Reports current for Production/Disposition & S	undı	ries on:		ok	•			
6. Federal and Indian Lease Wells: The BL	M a	nd or th	e BIA h	as approved the	· merger, na	me change,		
or operator change for all wells listed on Federa					BLM		BIA	
7. Federal and Indian Units:						•		•
The BLM or BIA has approved the successor	ofu	nit oper	rator for	wells listed on:		not yet		
8. Federal and Indian Communization Ag		-					•	
The BLM or BIA has approved the operator is			` '			n/a		
9. Underground Injection Control ("UIC"					oved UIC F	orm 5, Transfer	of Auth	ority to
Inject, for the enhanced/secondary recovery un				= =			n/a	•
DATA ENTRY:	[.,			(0)			-
1. Changes entered in the Oil and Gas Database	on:			2/27/2008				
2. Changes have been entered on the Monthly Op		tor Cha	nge Sp		•	2/27/2008		
3. Bond information entered in RBDMS on:				2/27/2008			•	
4. Fee/State wells attached to bond in RBDMS on	:			2/27/2008	•			
5. Injection Projects to new operator in RBDMS of	n:			n/a	•			
6. Receipt of Acceptance of Drilling Procedures f	or A	PD/Nev	v on:		2/27/2008	-		
BOND VERIFICATION:								
1. Federal well(s) covered by Bond Number:				UTB000296				
2. Indian well(s) covered by Bond Number:				n/a	-			
3a. (R649-3-1) The NEW operator of any fee wel	l(s) l	isted co	vered b	y Bond Number	r	8030575893	_	
3b. The FORMER operator has requested a release	e of	liability	from th	eir bond on:	2/22/2008		-	
The Division sent response by letter on:				n/a				
LEASE INTEREST OWNER NOTIFIC								
4. (R649-2-10) The NEW operator of the fee wells					-	om the Division		
of their responsibility to notify all interest owner	rs of	this cha	inge on		n/a			· · · · · · · · · · · · · · · · · · ·
COMMENTS:								

	FORM					
	DEPARTMENT OF NATURAL RI DIVISION OF OIL, GAS AN		5. LEASE DESIGNATION AND SERIAL NUMBER:			
SUNDE	Y NOTICES AND REPO	ORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
Do not use this form for proposals to drill horizonta	ilt new wells, significantly deepen existing wells b al faterals. Use APPLICATION FOR PERMIT TO	elow current bottom-hole depth, reenter plugged wells, or to DRILL form for such proposals.	7. UNIT OF CA AGREEMENT NAME:			
1. TYPE OF WELL OIL WEL		HER	8. WELL NAME and NUMBER: SEE ATTACKED LIS			
2. NAME OF OPERATOR: NAE, LLC	N3440		9. API NUMBER:			
3. ADDRESS OF OPERATOR: 16800 Imperial Valley Dr.	Ste. 380 HOUSTON STATE TX	PHONE NUMBER: (281) 931-8933	10. FIELD AND POOL, OR WILDCAT;			
4. LOCATION OF WELL						
FOOTAGES AT SURFACE:			COUNTY: 11 11 11 11 11 11 11 11 11 11 11 11 11			
QTR/QTR, SECTION, TOWNSHIP, R/	ANGE, MERIDIAN:		STATE: UTAH			
	PROPRIATE BOXES TO IND	ICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
NOTICE OF INTENT (Submit in Duplicate)	ACIDIZE ALTER CASING	DEEPEN	REPERFORATE CURRENT FORMATION			
Approximate date work will start:	CASING REPAIR	FRACTURE TREAT NEW CONSTRUCTION	SIDETRACK TO REPAIR WELL			
,,	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR			
	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE			
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL			
(Submit Original Form Only) Date of work completion:	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF			
base of Host completions,	COMMINGLE PRODUCING FORMAT	TIONS RECLAMATION OF WELL SITE	OTHER:			
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION				
12. DESCRIBE PROPOSED OR (COMPLETED OPERATIONS. Clearly sho	ow all pertinent details including dates, depths, volume	es, etc.			
NAE, LLC will be assumi	ng all plugging and reclamation	on liabilities for the wells on the sched	ule attached hereto.			
Effective Date: 2/12/08						
Federal Bond Number: 1 State Bond Number: 803						
Otate Bond Namber, 000	0010000					
Name: Tidewater Oil & C	Sas Company LLC. Address	s: 110 16th St., Ste 1200, Denver, CC	3 80202			
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
Signature:	Atone	N3000				
Signature						
Title:	rgen					
Date: 02/21/C	<u>)8</u>					
NAME (PLEASE PRINT)	HAG CORNISH	TITLE MANAGEN	NAE			
SIGNATURE		DATE 2/13/08	The second secon			
SORTIONE		DATE				
This space for State use only)			RECEIVED			
APPROV	ED 2127108		FEB 2 2 2008			
*****			1			

(5/2000)

(See Instructions on Reverse Side)

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

DIV. OF OIL, GAS & MINING

11					1 121	1	11	
well_name	sec	twp	rng	api	entity	lease	well	stat
FEDERAL MSC 26-1	26	210S	190E	4301931407	14785	Federal	GW	S
FEDERAL 7-34-2122	07	210S	220E	4301931484		Federal	OW	APD
BLACK HAT FED 18-43-2224	18	220\$	240E	4301931495		Federal	OW	APD
OLD SAGERS FED 13-32-2222	13	220S	220E	4301931497		Federal	OW	APD
STATE 1-32	32	210S	190E	4301931394	13598	State	OW	PA
STATE 21-19 (32-16D)	32	210S	190E	4301931399	13903	State	OW	TA
STATE MSC 16-1	16	210S	200E	4301931401	14166	State	OW	S
STATE MSC 35-1	35	2108	190E	4301931404	14259	State	GW	S
N THOMPSON 2-1	02	210S	200E	4301931412	14376	State	GW	OPS
TIDEWATER ST 23-5	23	210S	230E	4301931466	16258	State	OW	PA
TIDEWATER ST 23-2	23	210S	230E	4301931467		State	GW	APD
TIDEWATER ST 23-1	23	210S	230E	4301931468		State	GW	APD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

		company a Sundry Notice, Form 9, requesting APD transfer)		40 000
Well	name:	Please see attached schedul	9	K
API	number:		جارمونياد.	·
Loca	ation:	that the family is	transport, make a service	
Com	pany that filed original application:	Tidewater oil + Gas Company	********	
Date	original permit was issued:	The state of the s	**************************************	*****
Com	pany that permit was issued to:			**************************************
Check			The second section of the second	1901 190
one		Desired Action:		
************	Transfer pending (unapproved) App	lication for Permit to Drill to new operator	Car Secretaria Cara de Cara	
anthus per pilo. Hits	submitted in the pending Application fo	ights to drill on the property, hereby verifies that the information as or Permit to Drill, remains valid and does not require revision. The grees to the information and procedures as stated in the application	new	
$\supset \zeta$	Transfer approved Application for P	ermit to Drill to new operator		
**************************************	The undersigned as owner with legal ri information as submitted in the previou revision.	ights to drill on the property as permitted, hereby verifies that the usly approved application to drill, remains valid and does not requir	е	passens - et et
	owing is a checklist of some items related on private land, has the ownership	The confidence of the second control of the second control of the second control of the second control of the control of the second control of the control o	Yes	No Se
		the proposed well which would affect the spacing or siting		S
Have		ts put in place that could affect the permitting or operation of this		1
Have		route including ownership or right-of-way, which could affect the		X
Has	the approved source of water for drilling	changed?		X
	e there been any physical changes to the s from what was discussed at the onsite	e surface location or access route which will require a change in evaluation?		
		pposed well? Bond No. 8030575893	X	
shou nece Nam	desired or necessary changes to either a uld be filed on a Sundry Notice, Form 9, or essary supporting information as required the (please print)	a pending or approved Application for Permit to Drill that is being trop amended Application for Permit to Drill, Form 3, as appropriate, d. Title	with	rec
-	resenting (company name) NAF	ILC		
The f	· 1	to represent the company or individual(s) to be listed as the new operator on the Ap	plication	n fo

(3/2004)

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